

نيكولا تسلا

الكهرباء الأثيرية والفصل المخفي من تاريخ الكهرباء

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الكهرباء الأثيرية والفصل المخفي من تاريخ الكهرباء

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إعداد

علاء الحلبي

نيكولا تسلا / الكهرباء الأثيرية والفصل المخفي من تاريخ الكهرباء

إعداد: علاء الحلبي

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جميع الحقوق محفوظة

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دار مؤسسة رسلان

للطباعة والنشر والتوزيع

سوريا - دمشق - جرمانا

هاتف: ٥٦٢٧٠٦٠ ١١ ٠٩٦٣

فاكس: ٥٦٣٢٨٦٠ ١١ ٠٩٦٣

ص.ب: ٢٥٩ جرمانا



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B. A. Behrend

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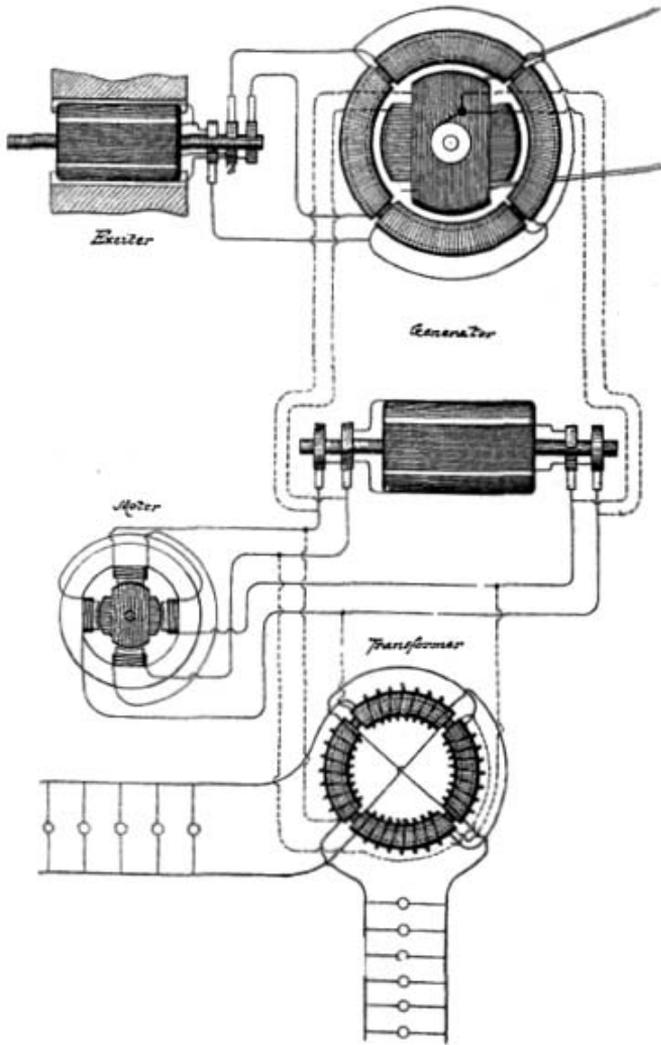
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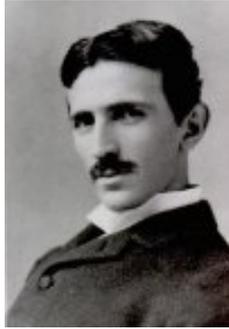
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(١) استعمل أرسطو مصطلحاً يلفظ بالإنكليزية (Aether) (أثير) واستعمل العرب مصطلح (أثير) وقد فضلنا استخدام المصطلح العربي.

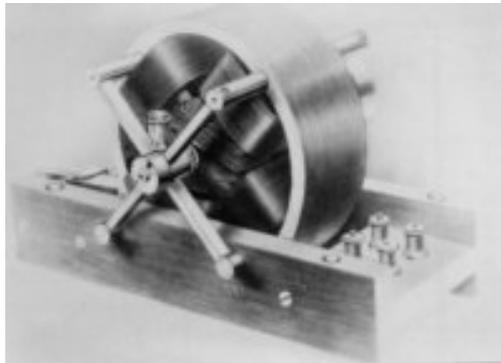






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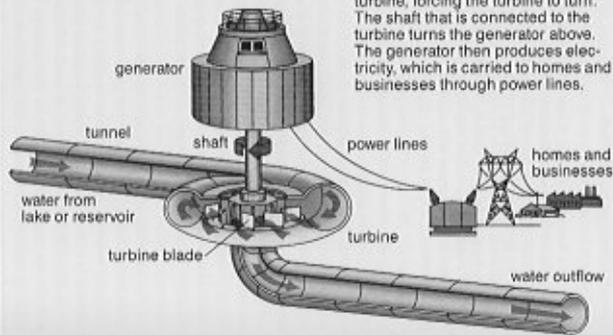


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Hydroelectric Turbine

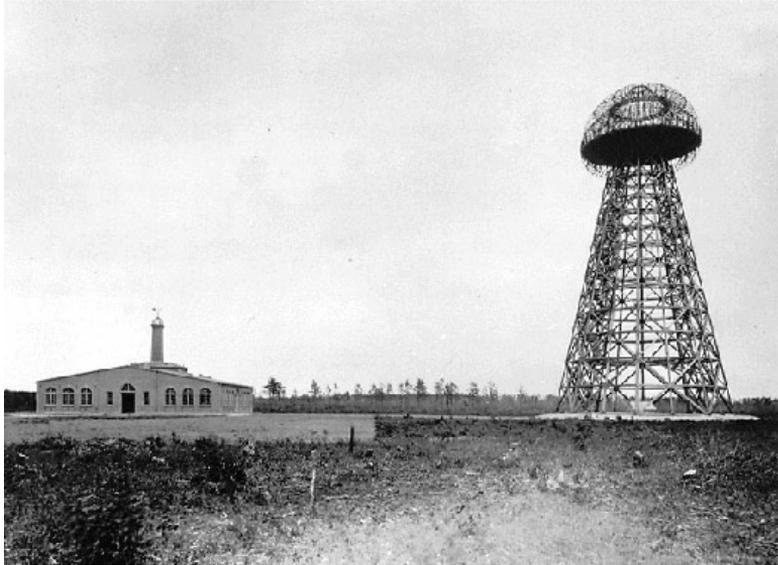
As the water falls through the tunnel, it hits the blades of the turbine, forcing the turbine to turn. The shaft that is connected to the turbine turns the generator above. The generator then produces electricity, which is carried to homes and businesses through power lines.



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disk-turbine rotary engine

high-frequency lighting

electric energy magnifier

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the magnifying transmitter

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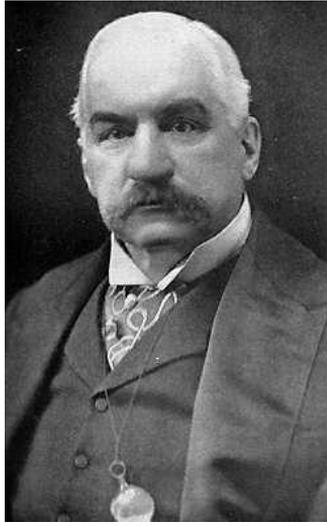
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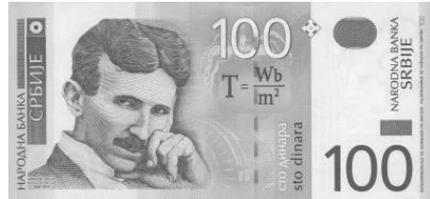
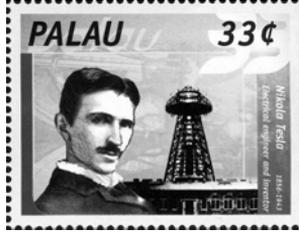


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longitudinal waves

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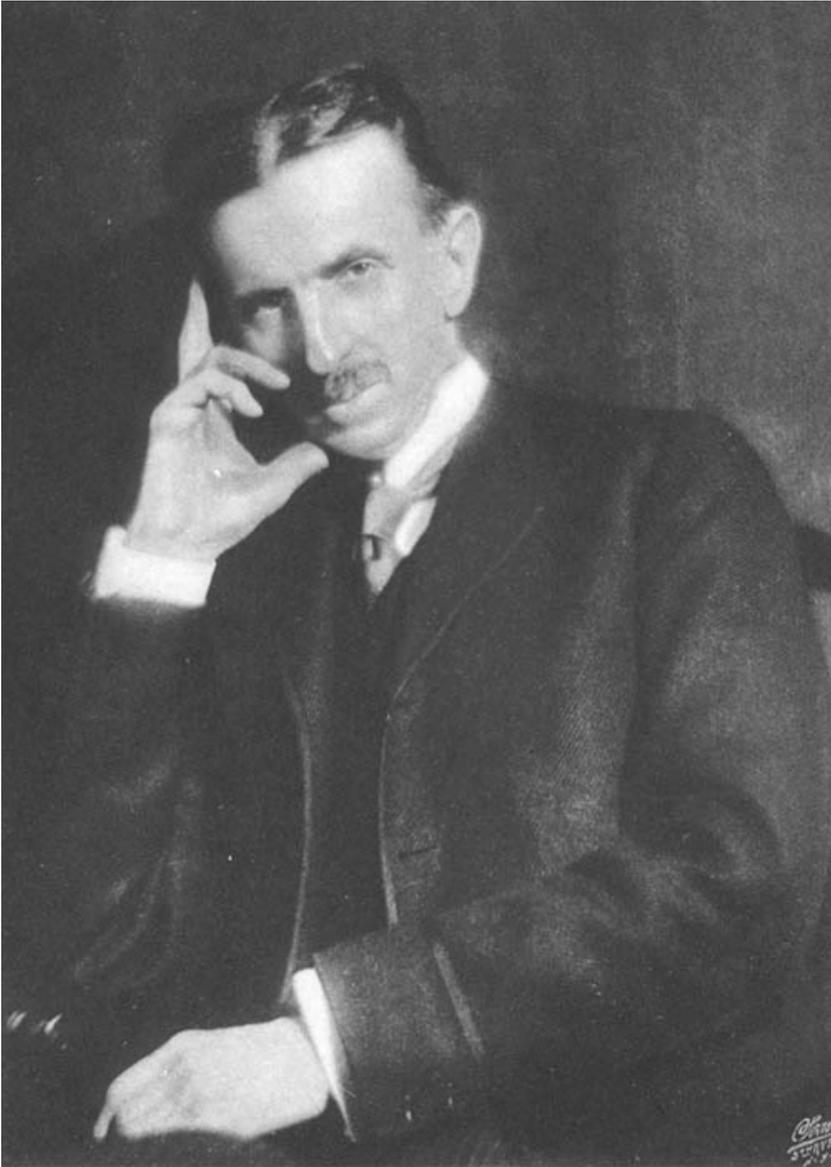
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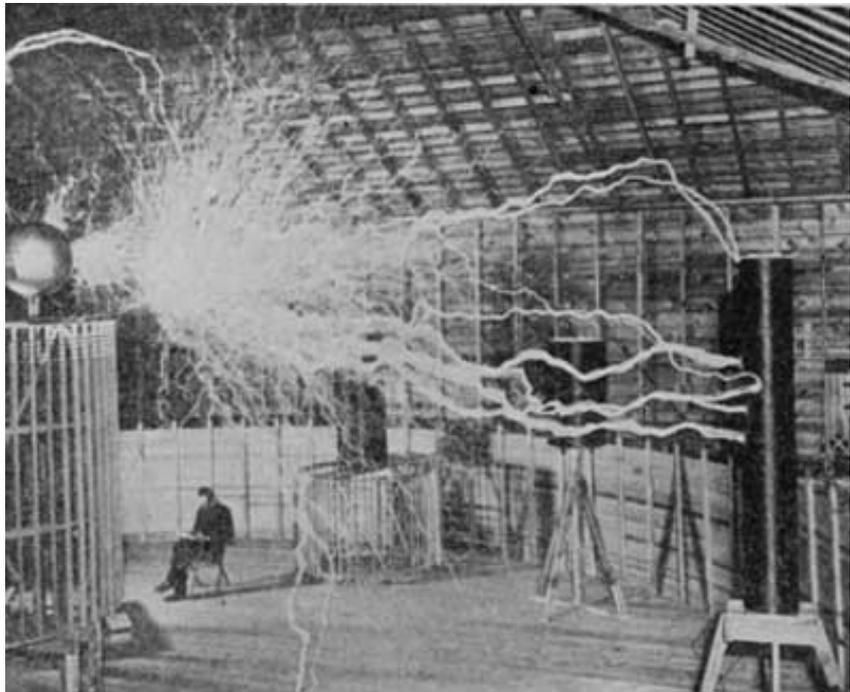
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Tesla's Colorado Springs Laboratory in 1899.

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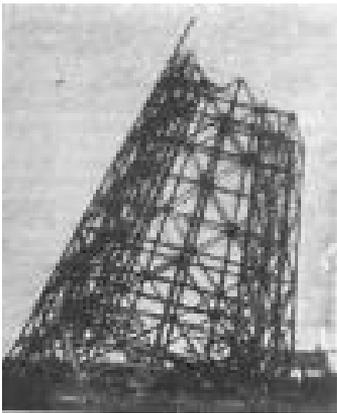


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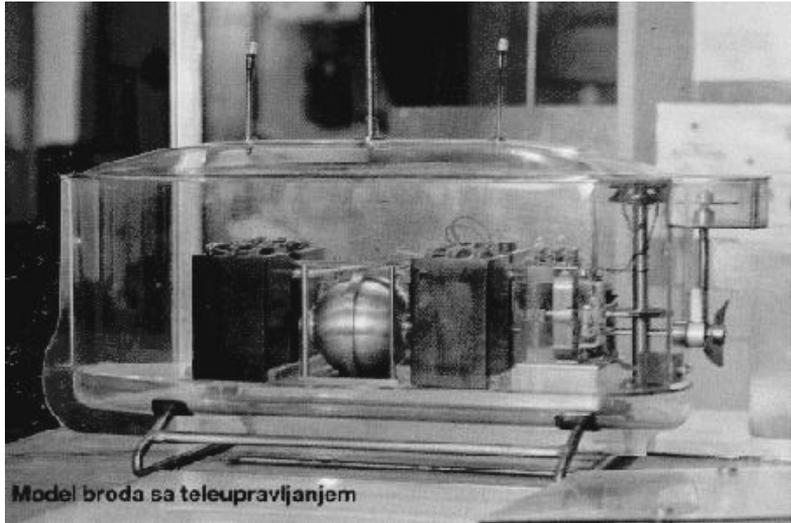
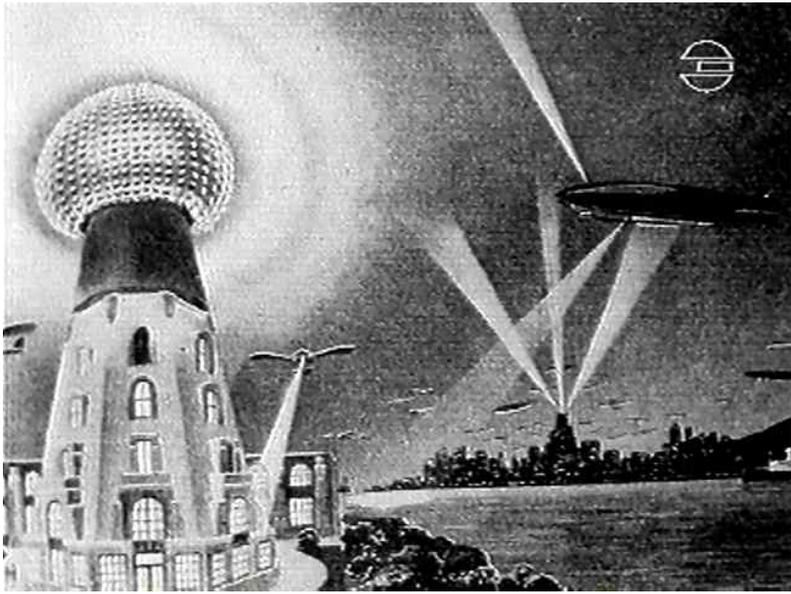
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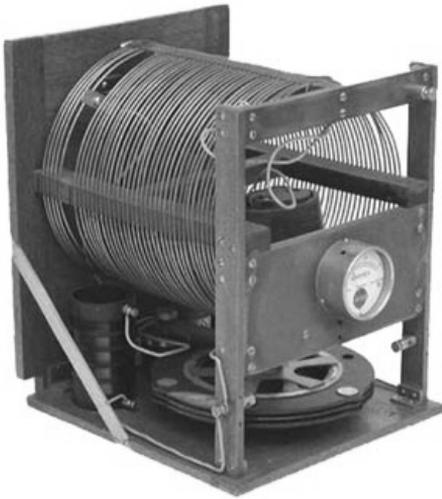
Model broda sa teleupravljanjem

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Marchese Guglielmo Marconi



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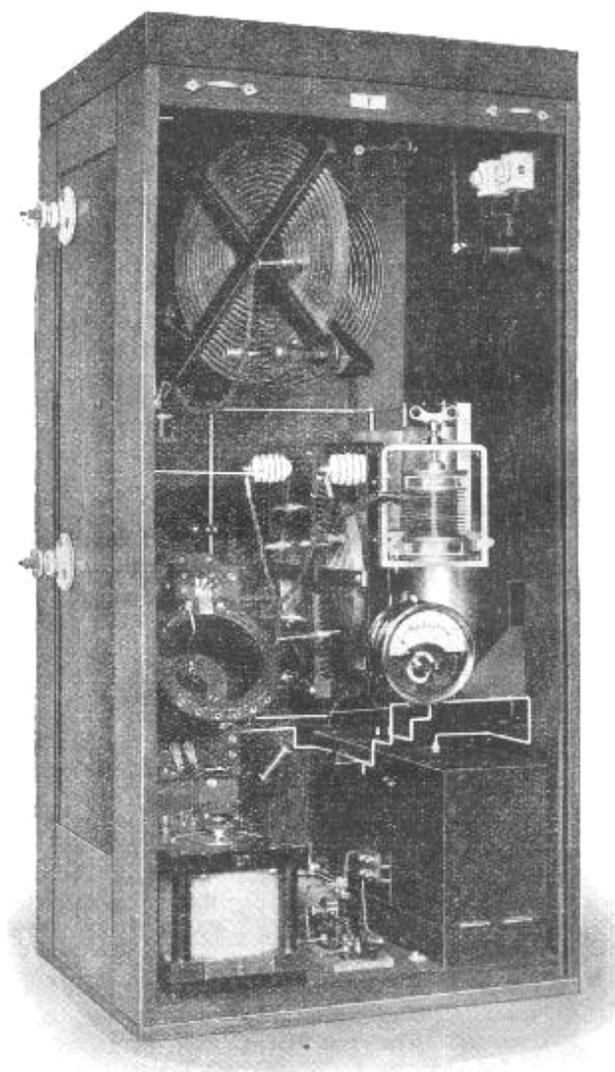
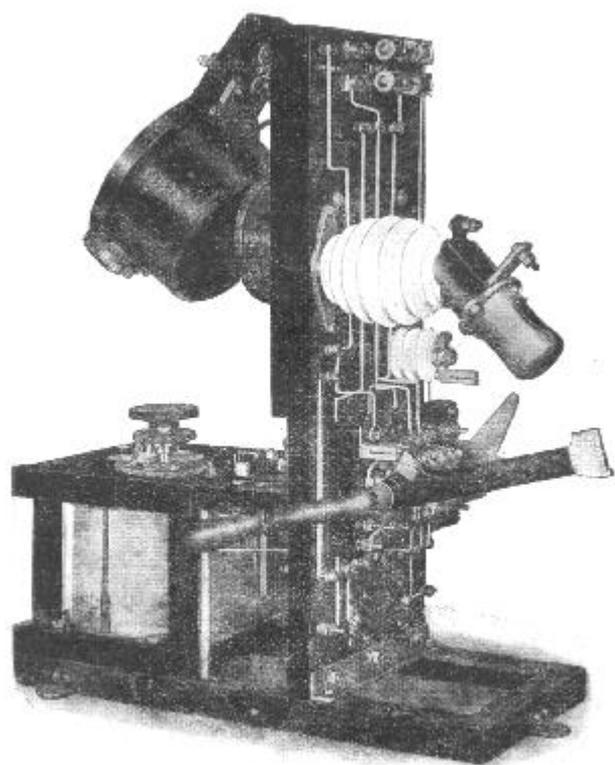
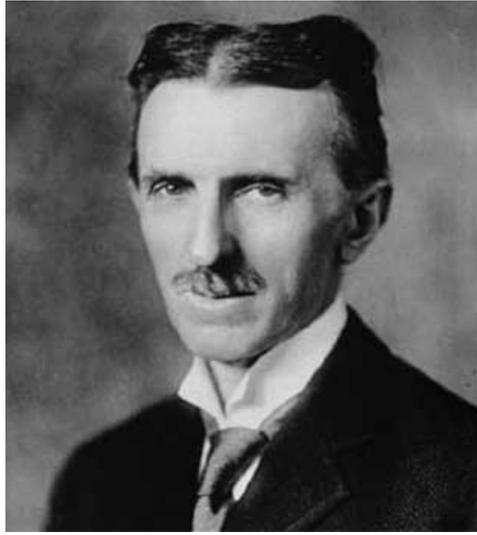


Fig. 2.—CABINET TYPE, WIRELESS INSTALLATION.





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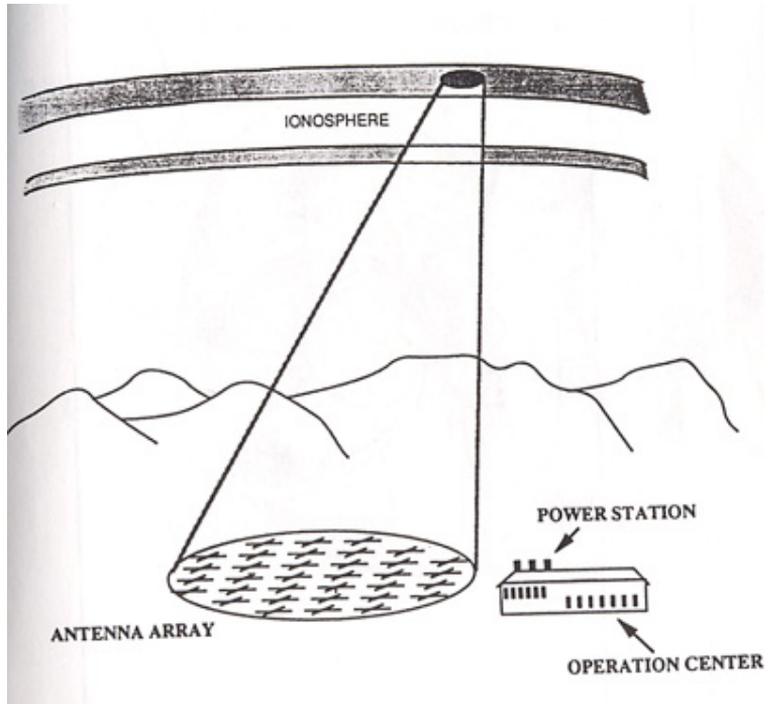
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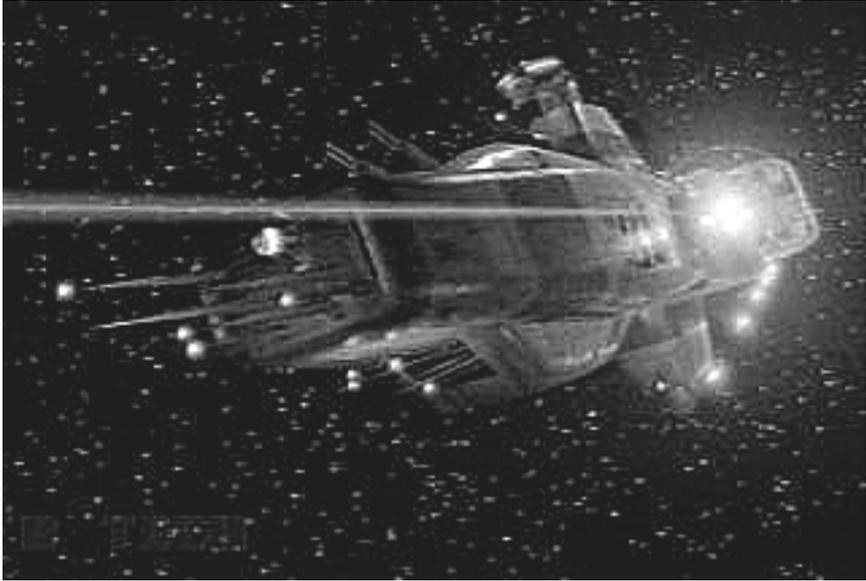
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Particle Beam Weapon



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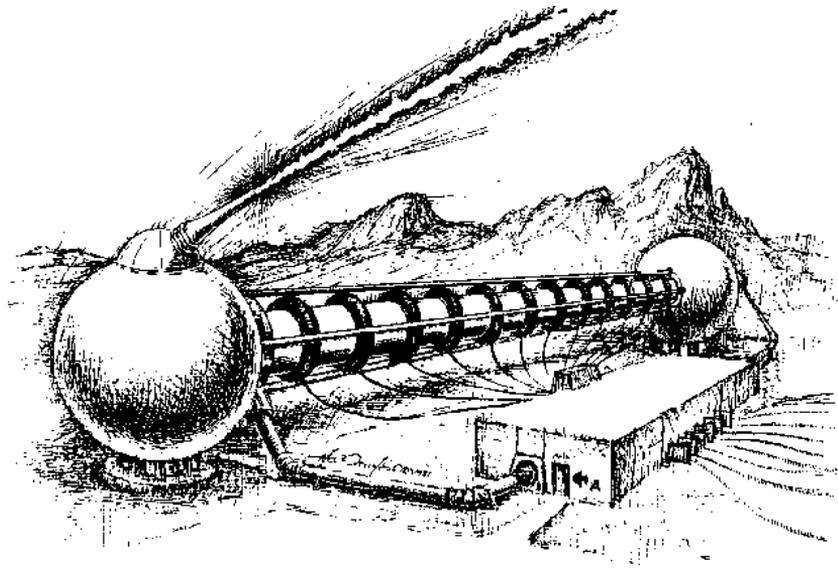
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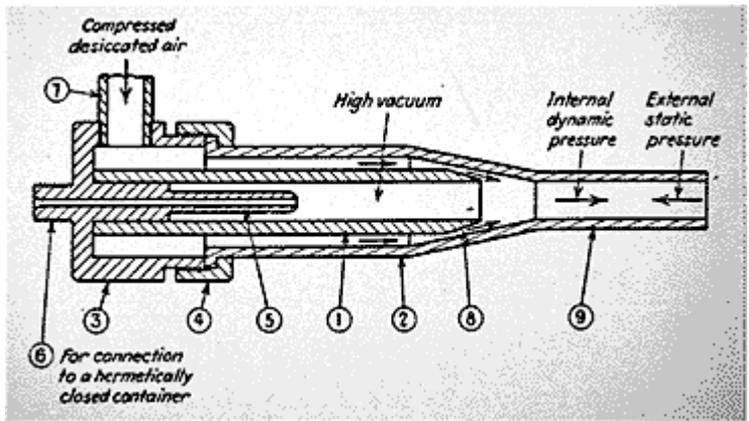
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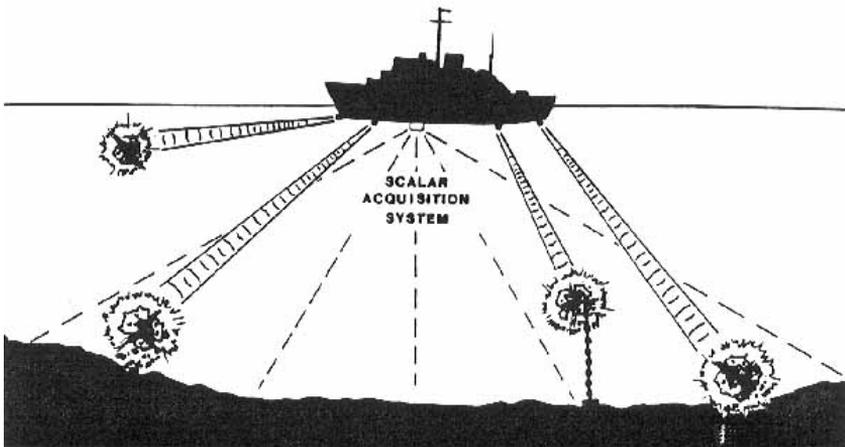
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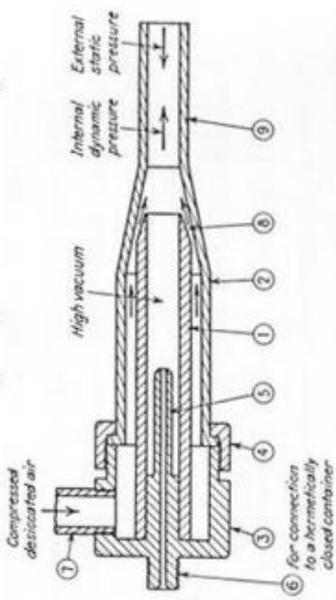
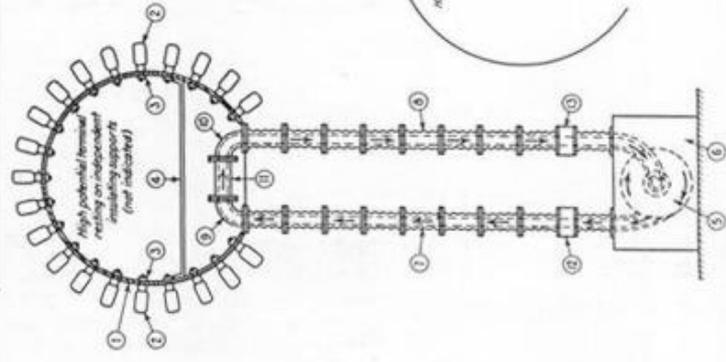






THE DEATH BEAM

Dr. Nikola Tesla 1930's, designed accelerating microscopic flasks of Mercury or Tungsten to incredible Velocities. THE DEATH BEAM composed long trains of particles, to minimize particle scattering due collisions within the beam; electrostatic charges repel & attract, impart required energy; charges form at center of the HIGH CHARGED SPHERE, gain-sized particles projectiles are squeezed toward an opening, exiting at high velocities of several million volts. The unique VACUUM CHAMBER being an Open-end without obstruction exit into the atmosphere. Critical a vacuum maintained within the chamber of Sustained High Voltage without hindrance allowing streams to exit, without puncturing steel container. Solution was a one-way barrier of directed high-velocity AIR STREAM past the tip of the Beam Nozzle; which back pressured, consequence maintaining the high-vacuum state; modern jet-fighters use such in hydraulics.



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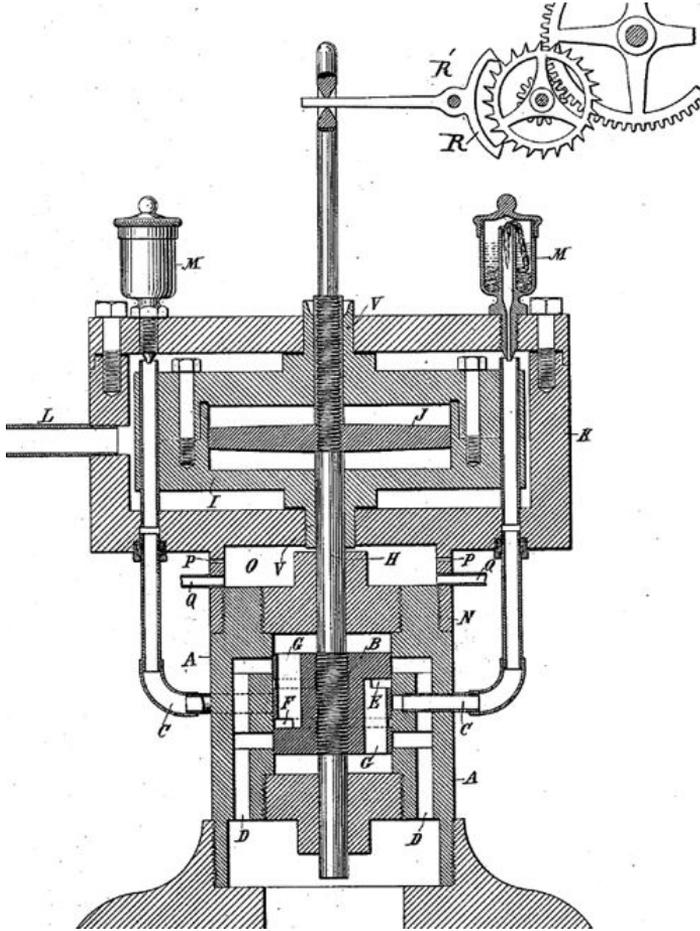
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Reciprocating Engine
Earthquake Machine



US Patent # 014,169

.telegeodynamics



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Kobe " "

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pulse wave

San Francisco

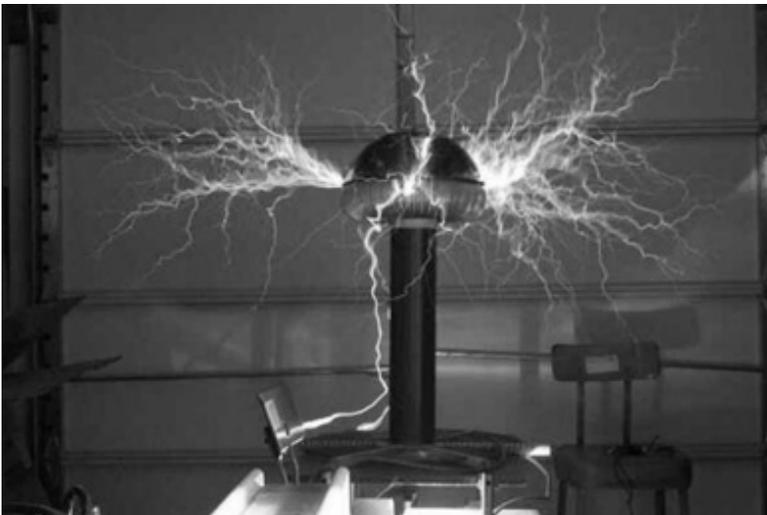
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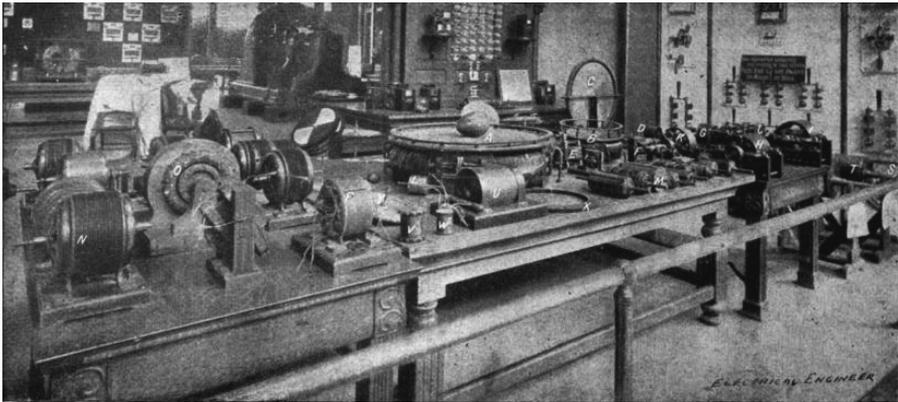
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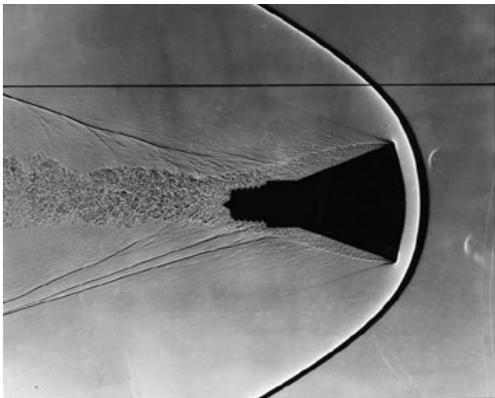
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corona effects

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[Empty rectangular box]

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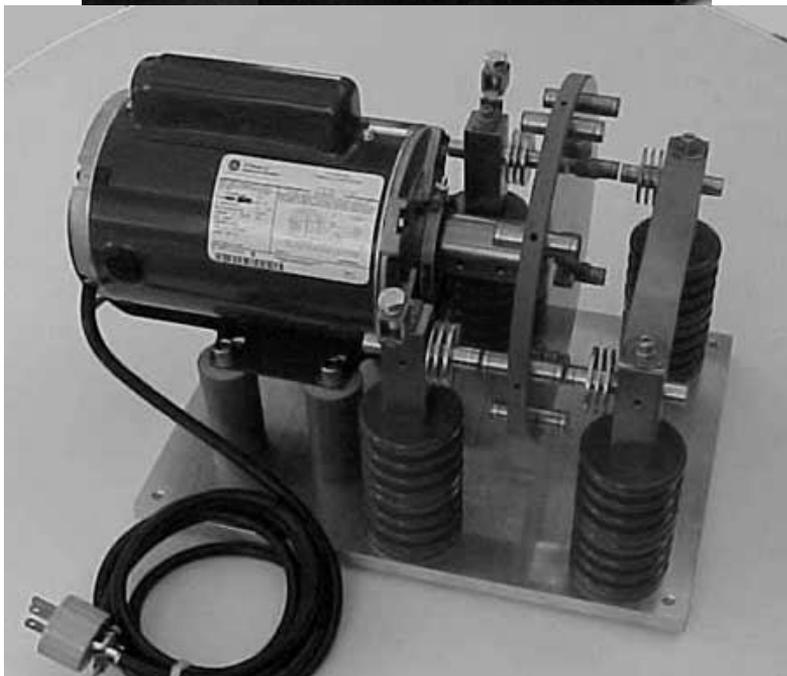
impulse "

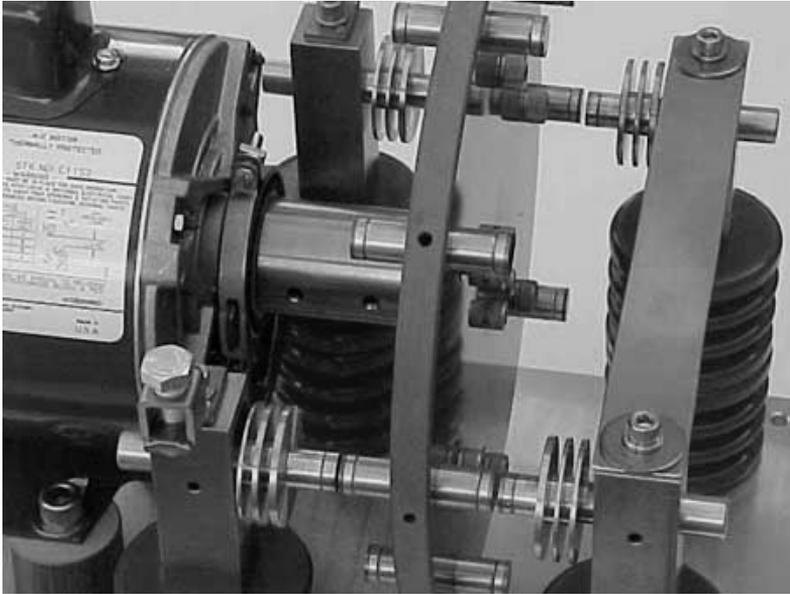
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sharp sound waves

electrified sound waves "

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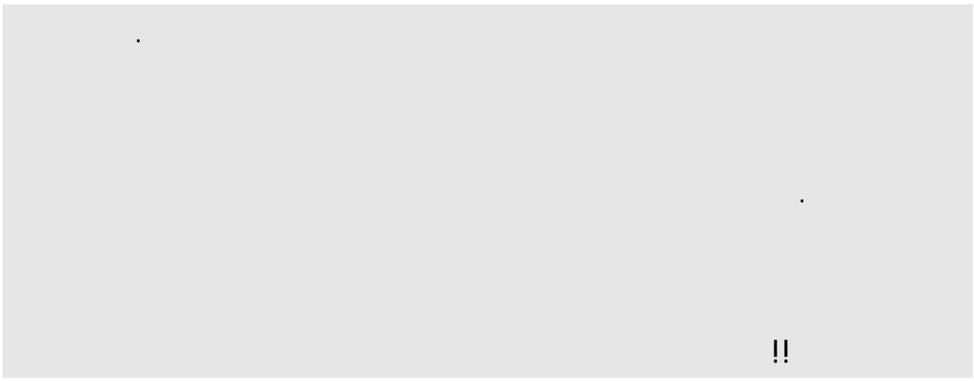
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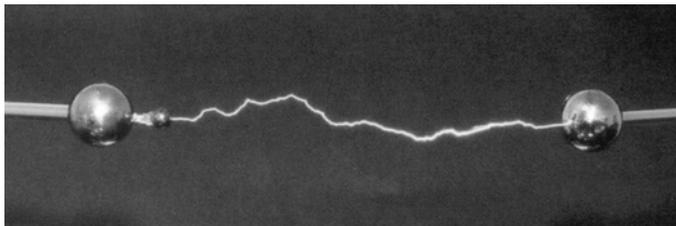


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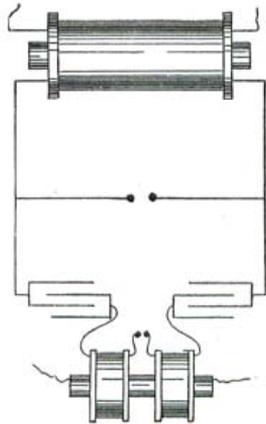


heavy-

.duty magnetic arcs



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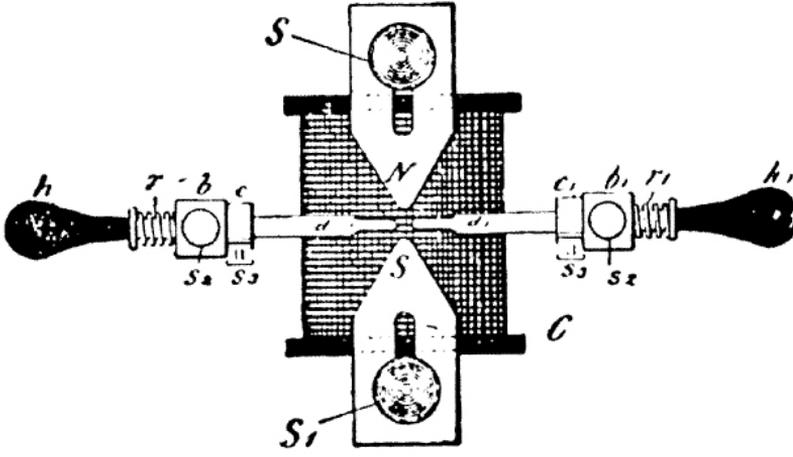


Figure 16
Magnetically Quenched Spark

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arc

plasma

electron tube impulse circuitry

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"disruptive discharge" "

.circuit

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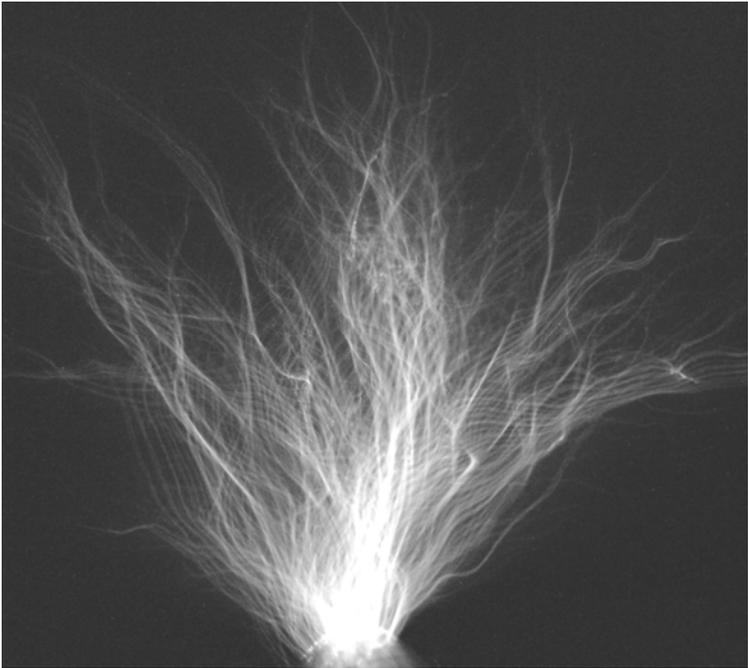
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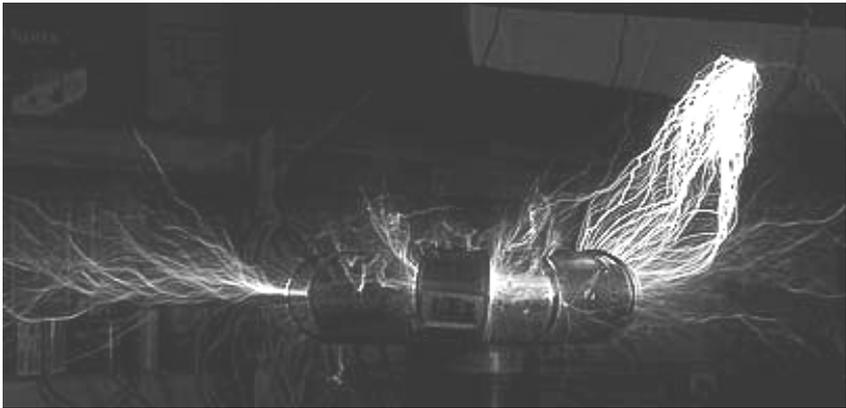
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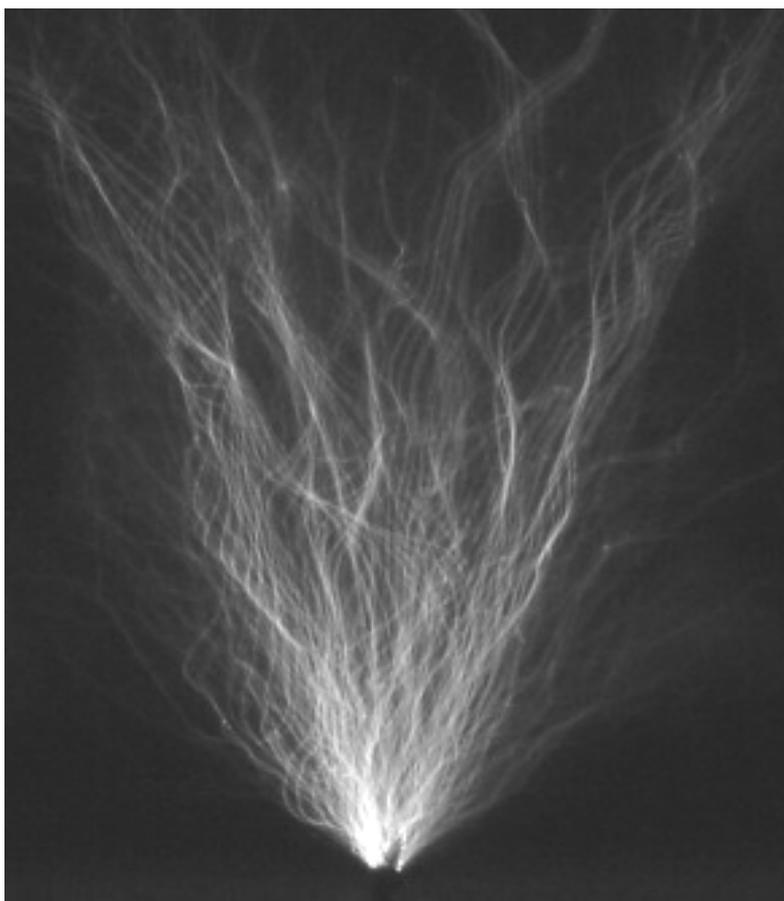


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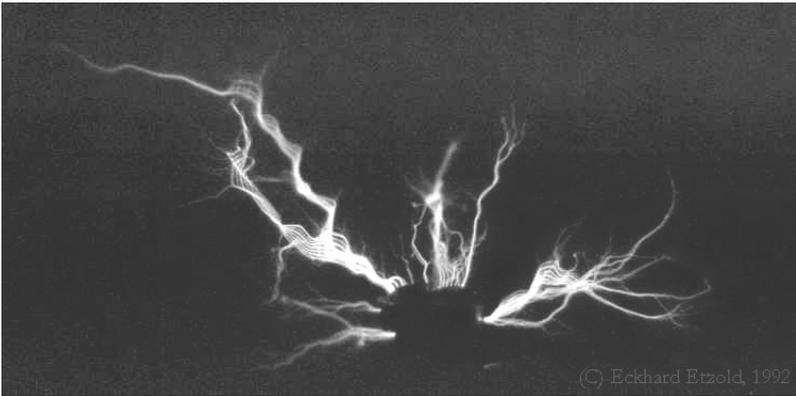


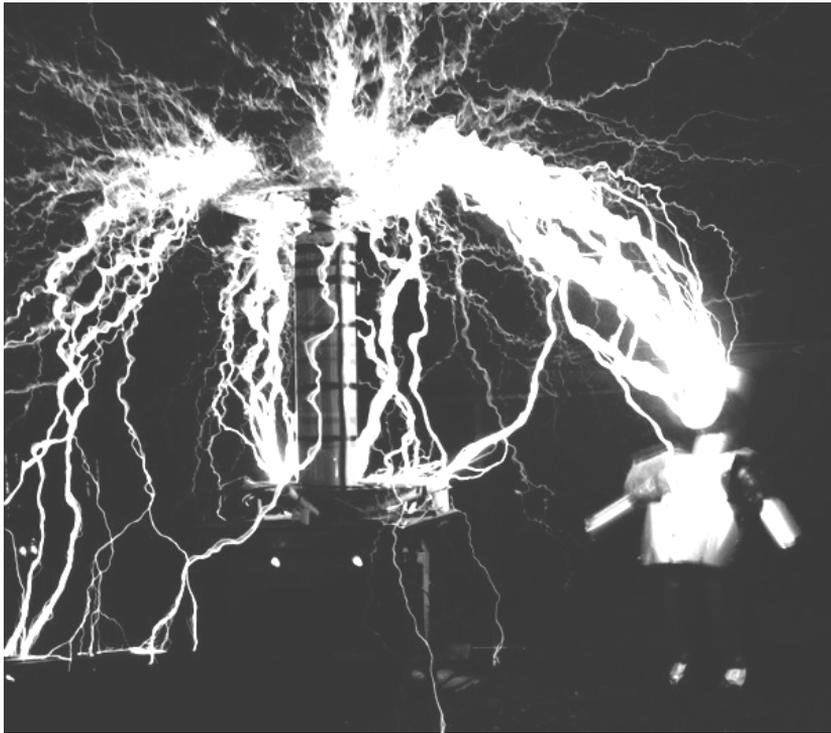
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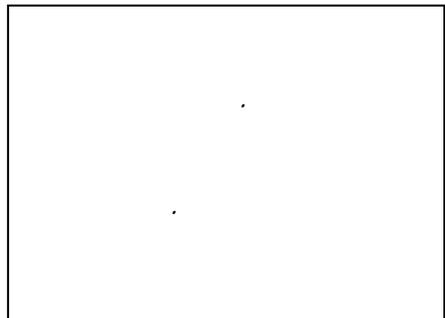
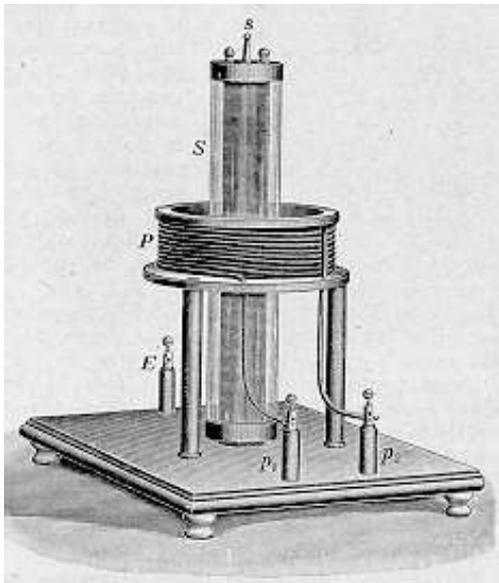
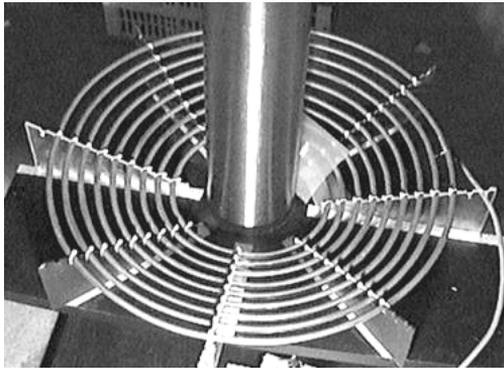
bunching of charge

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magnification effect





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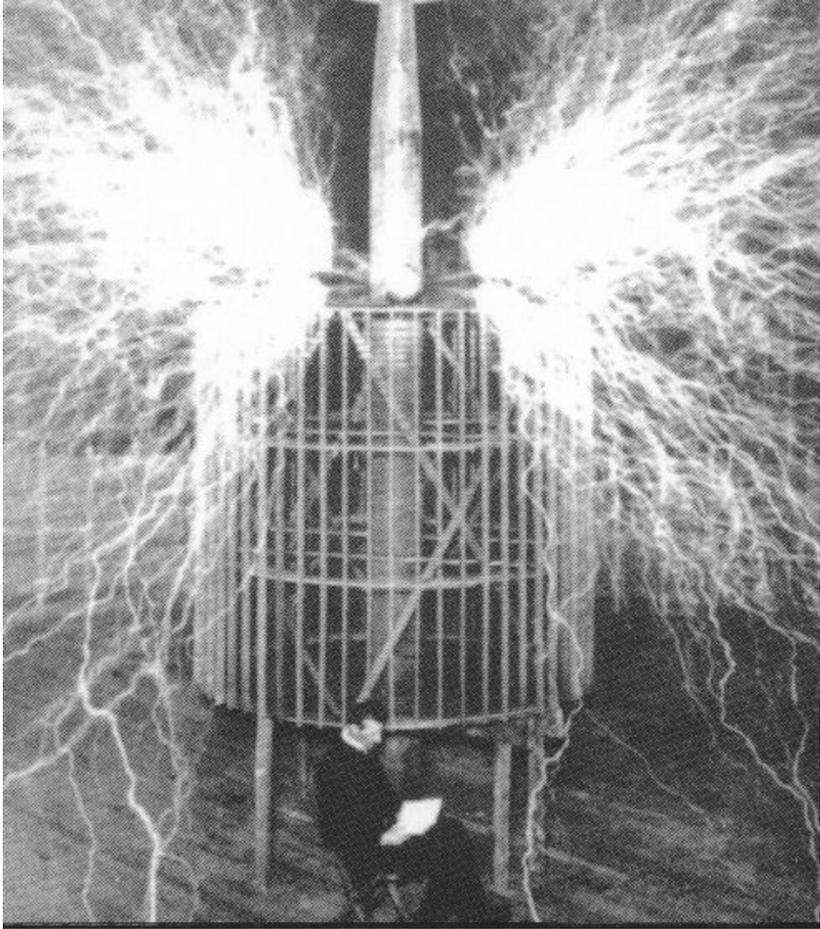
.energy transformation

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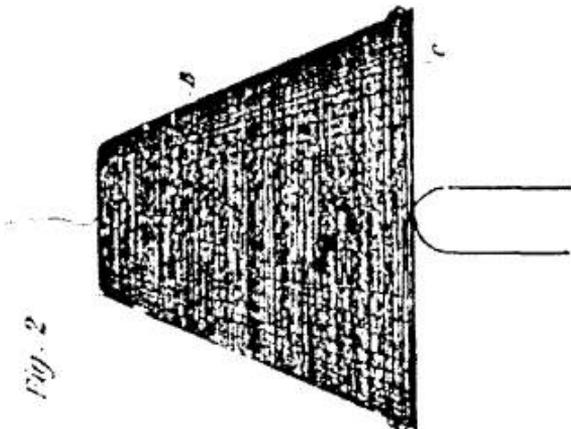
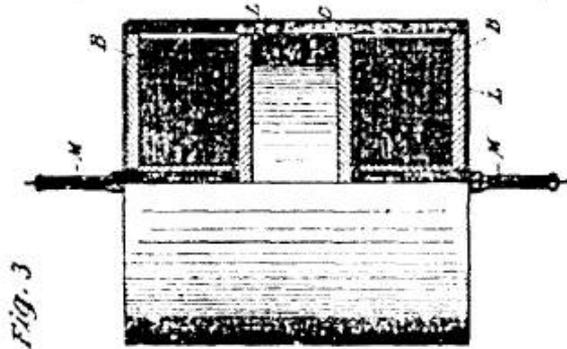
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N. TESLA.
ELECTRICAL TRANSFORMER

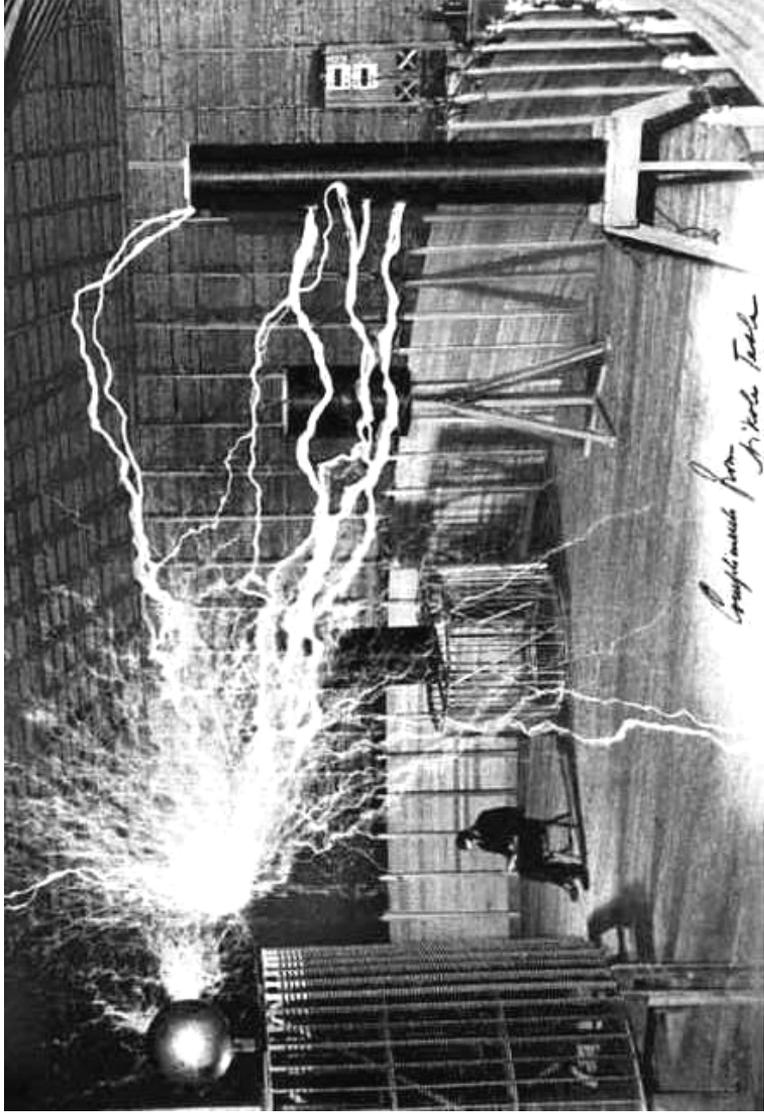
No. 593,138.

Patented Nov. 2, 1897.



WITNESSES
 G. B. Linn
 Edmund B. Hopkins or

INVENTOR
 Nikola Tesla
 Kerr, Curtis & Hage
 ATTORNEYS.





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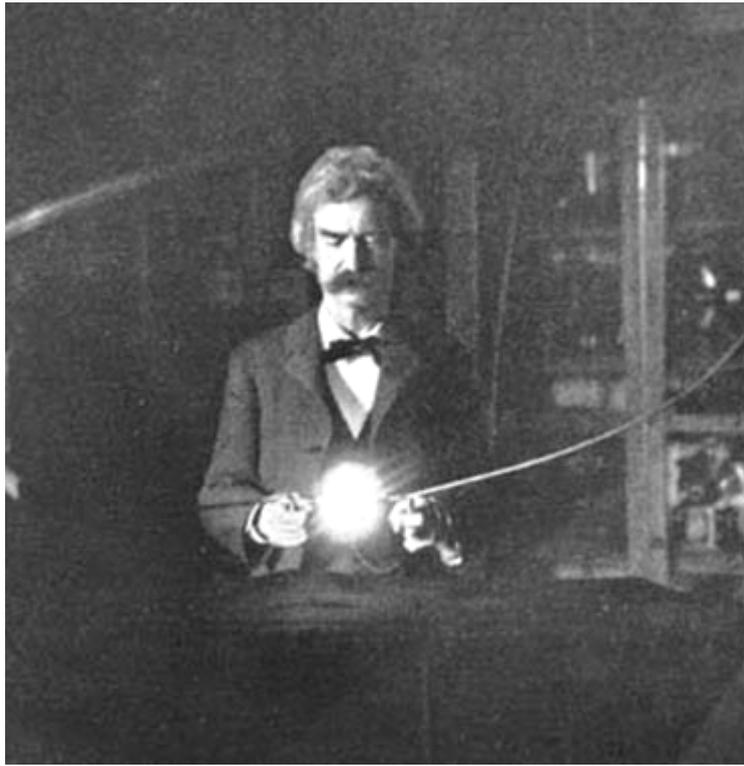
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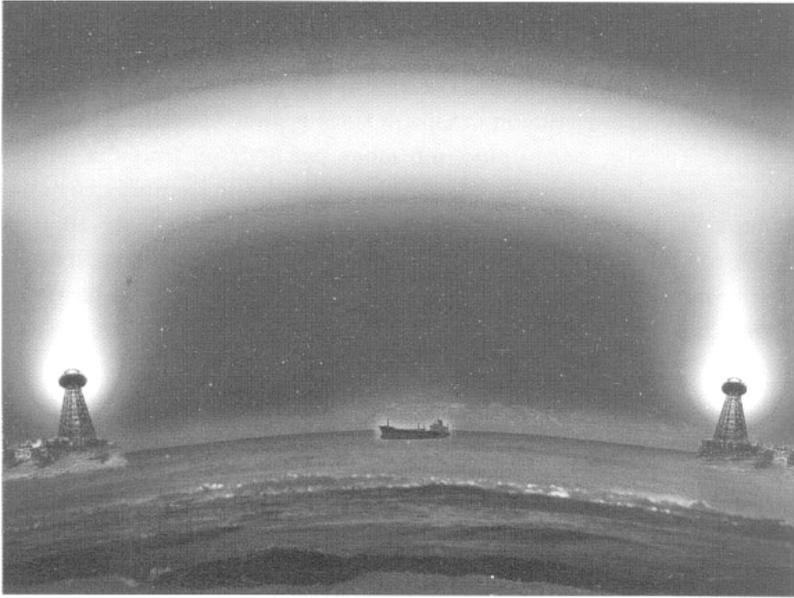
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flowing

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charge
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lines of force
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flux

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force lines

flowing charge

ultra-gaseous "

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flux

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.magnets

J.J. Thomson " . . "

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space flowing electricity

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.Aether

Aether gas

radiant electricity

zero current coils "

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magnetically quenched



magnifying " "

Radiant " "

spark gaps

.transmitter

.Energy

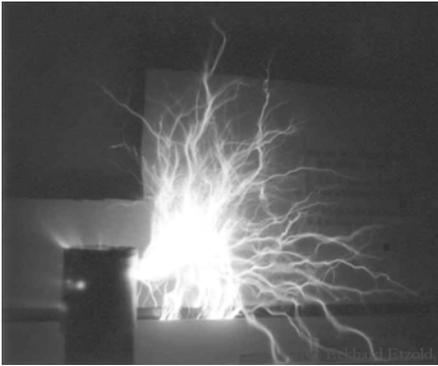
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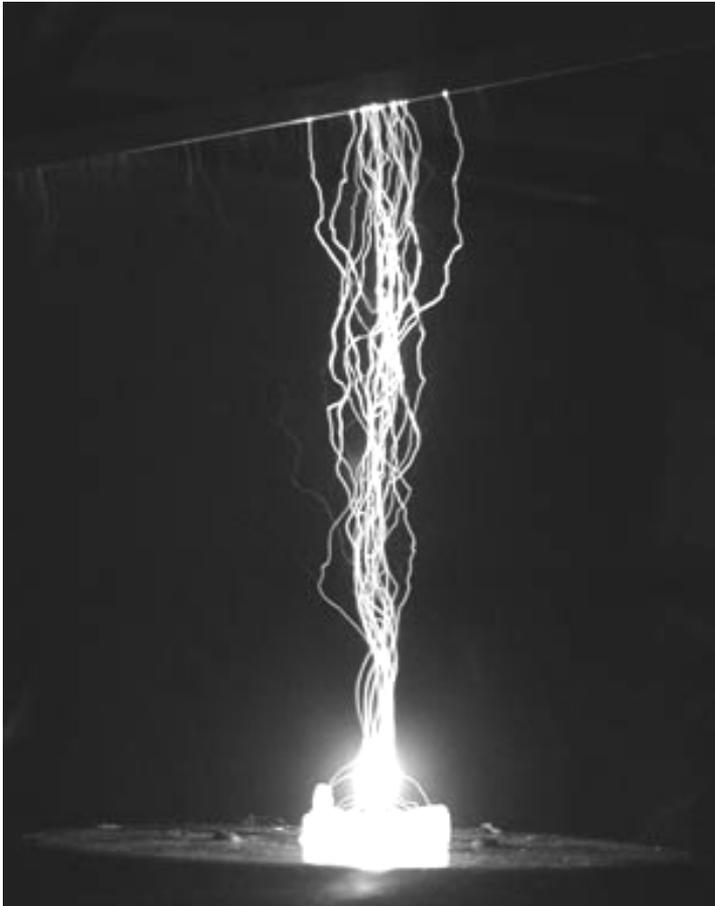


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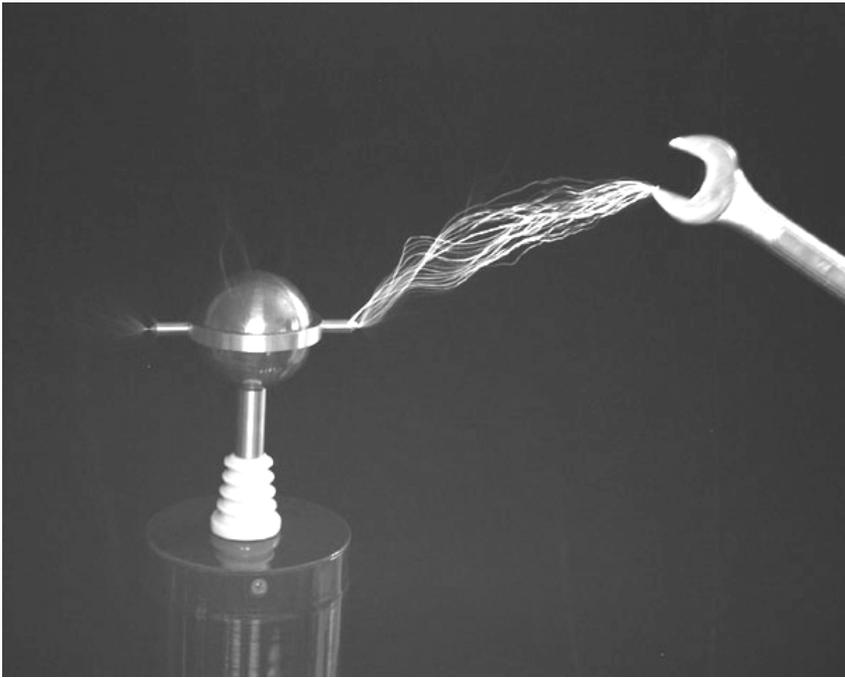


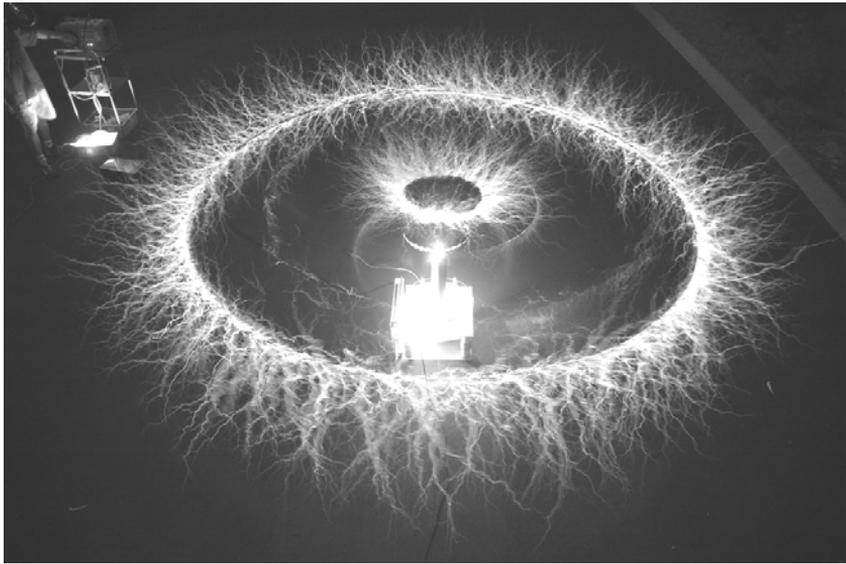


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.The Electro-Radiant Event "

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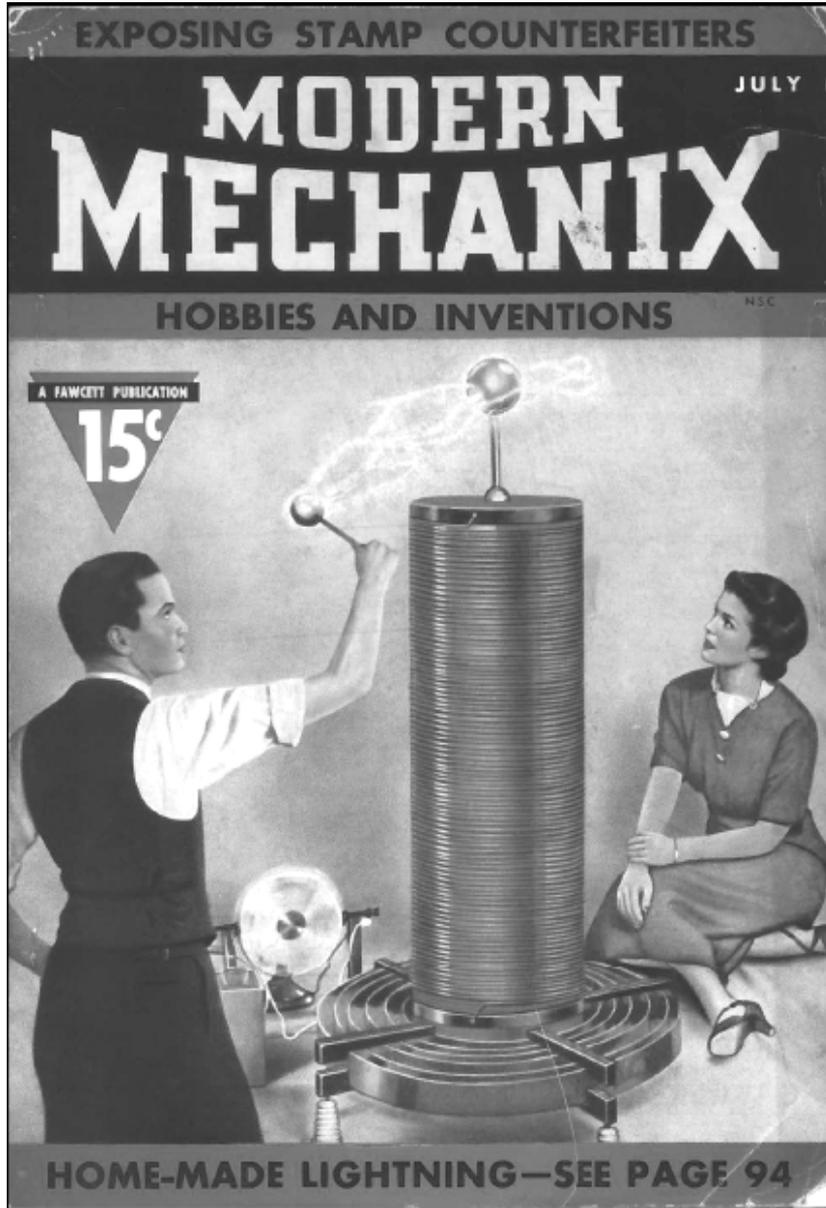
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Modern Mechanix "

Home Made Lightning

MAKE Artificial LIGHTNING

by John L. Welbourn



Editor's Note—This equipment is particularly suited for science class-room demonstrations. At no time should a demonstration be attempted by one unfamiliar with the apparatus. Although the giant brush discharge is harmless to the average person, a shock from any part of the equipment other than the high-frequency transformer will carry with it serious consequences to the person involved. It is suggested that when this apparatus is demonstrated before a group of persons, they be warned not to touch the apparatus and to stand a respectful distance from the low-voltage equipment.

THE apparatus about to be described is capable of throwing a spark four and a half feet long. In spite of its deadly appearance, this spark is quite harmless. The operator may hold a metal rod in his hand and let it turn to the end of the rod and run

WITH GIANT OUDIN COIL

burned out. A mystifying trick is to hold a short length of neon tube in one's hand, and approach the coil. Long before there is any sign of a spark jumping to the tube, it will light with its characteristic glow.

Many interesting experiments can be performed from an insulated platform. Since the spark jumps to grounded objects, if one stands on a board supported by glass insulators (milk bottles will do temporarily) and touches the discharge ball with a metal rod, sparks may be drawn from one's body by anyone standing on the ground. Care must be taken not to draw sparks from the bare skin, as they might cause a blister. A finger ring, or even a spoon in the mouth, can be used as good contacts from which to draw the spark. A peculiar and weird effect can be had, when one is so charged, by raising the free hand above the head in a darkened room. The person will then be

[Continued on page 136]



The Oudin Coil is assembled in the manner described above. Condensers are made by sandwiching six foil glass plates which are connected in a series-parallel arrangement. To prevent voltage breakdown, submerge condensers in oil.



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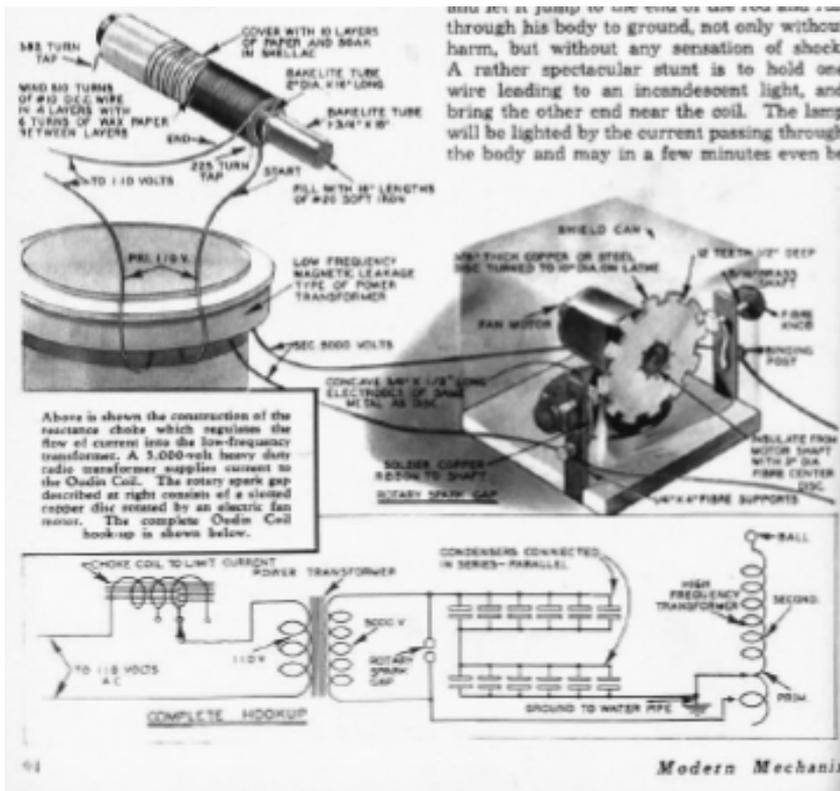
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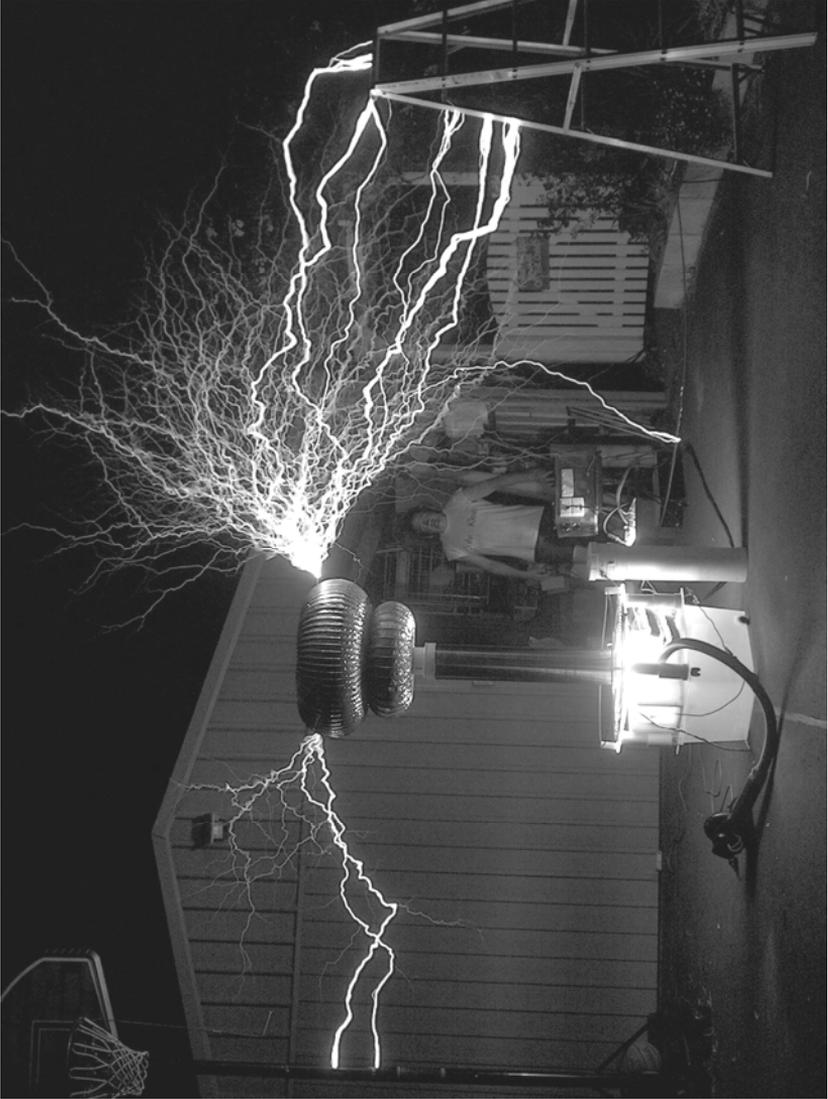
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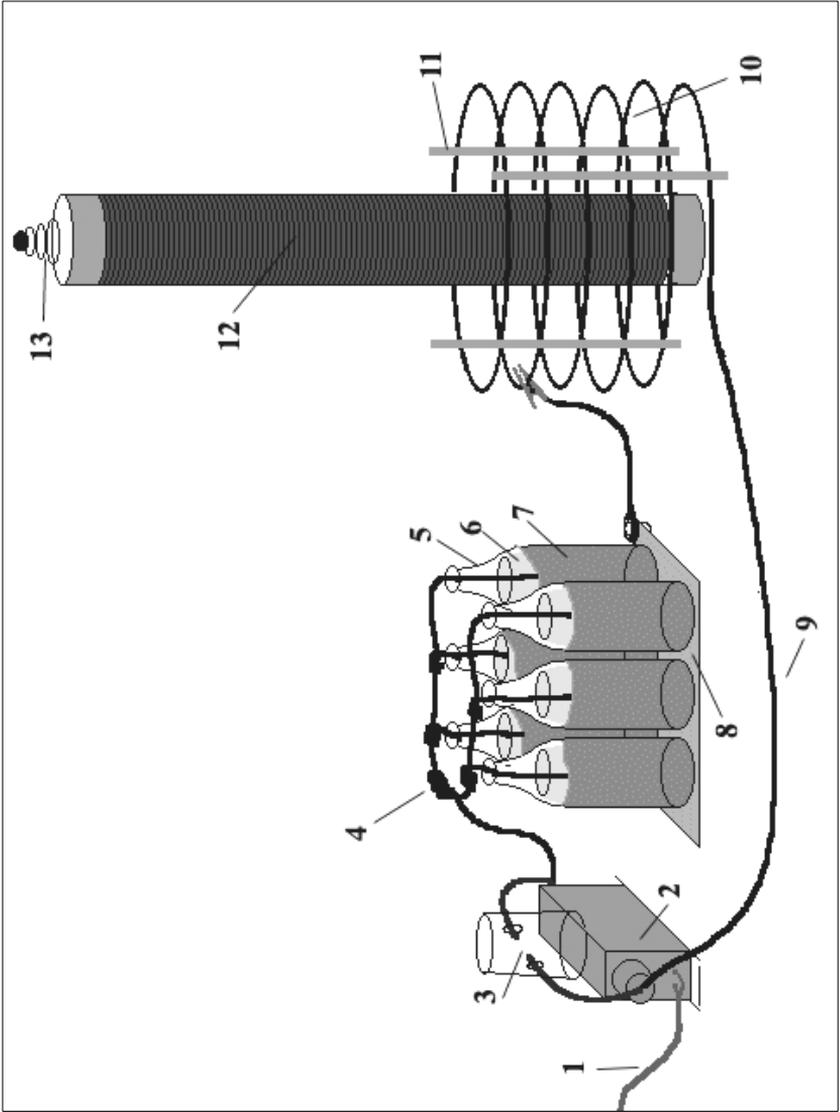
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through his body to ground, not only without harm, but without any sensation of shock. A rather spectacular stunt is to hold one wire leading to an incandescent light, and bring the other end near the coil. The lamp will be lighted by the current passing through the body and may in a few minutes even be





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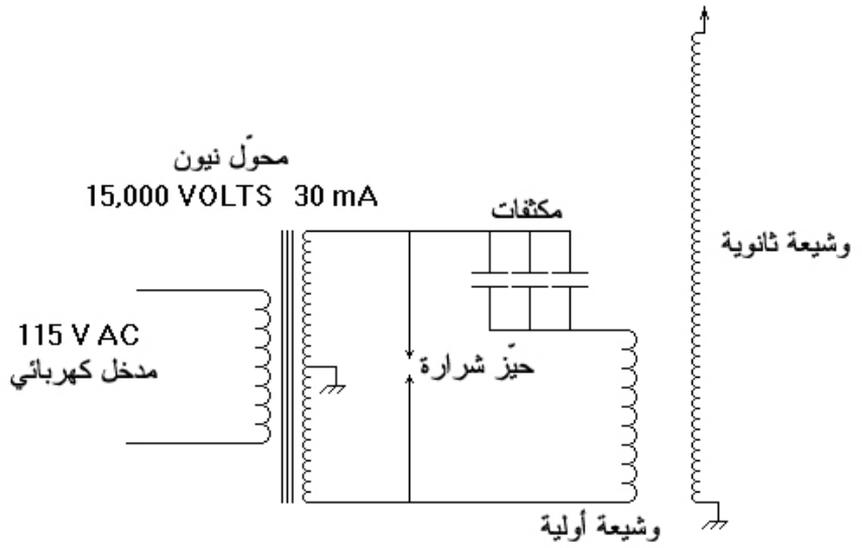
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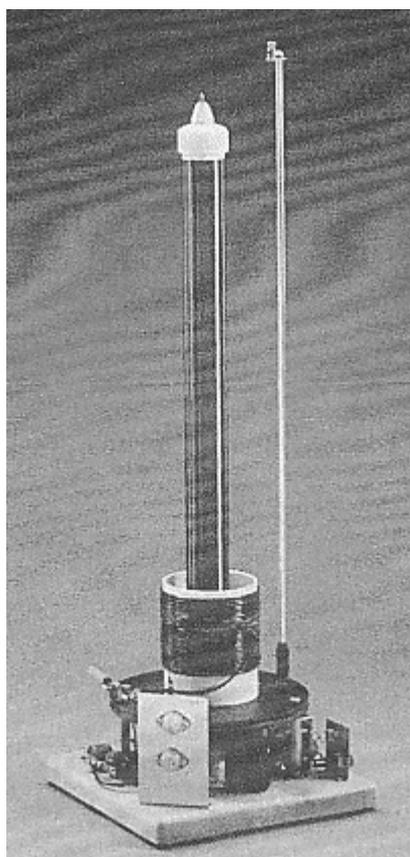
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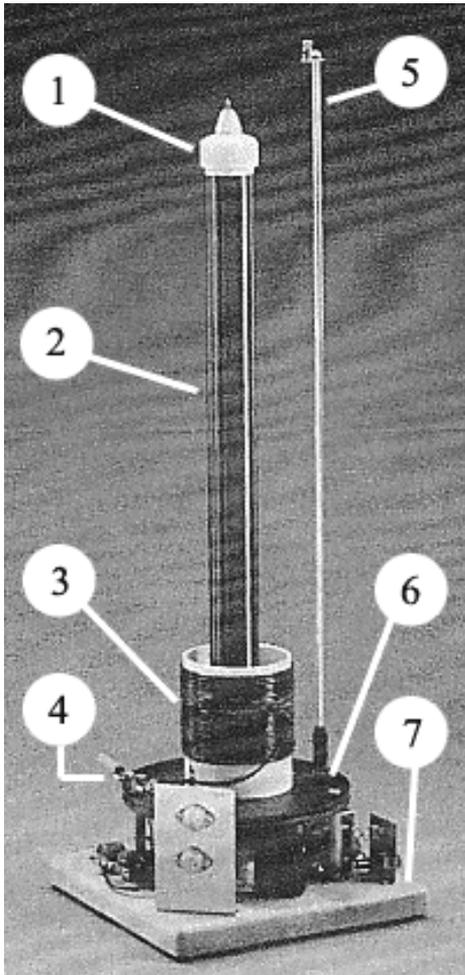


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Tesla Coil

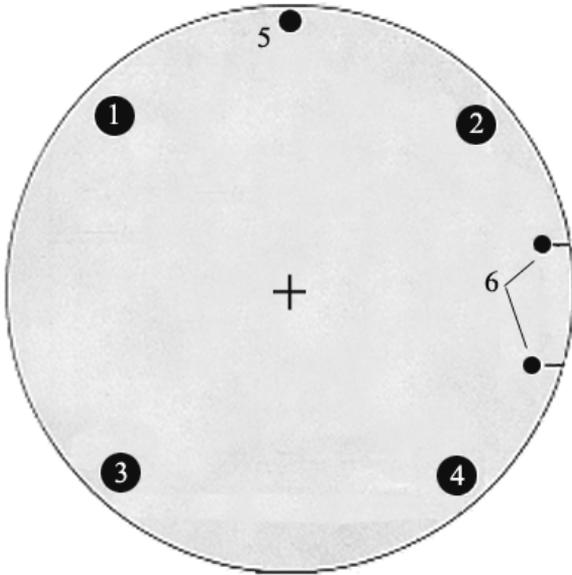




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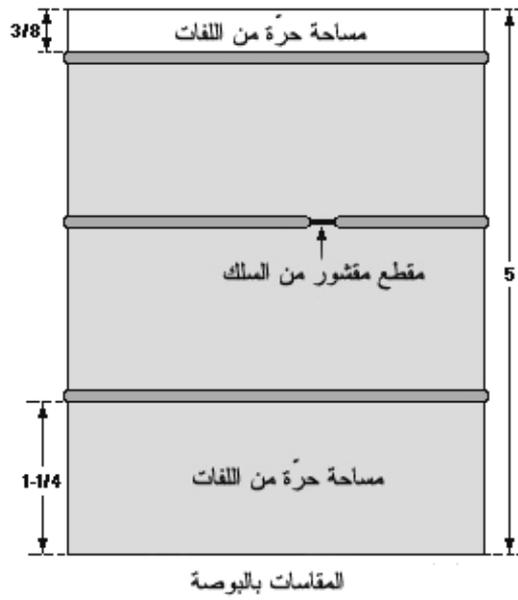
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المقاسات بالبوصة

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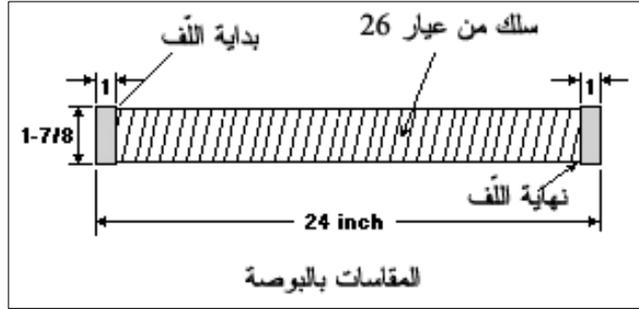
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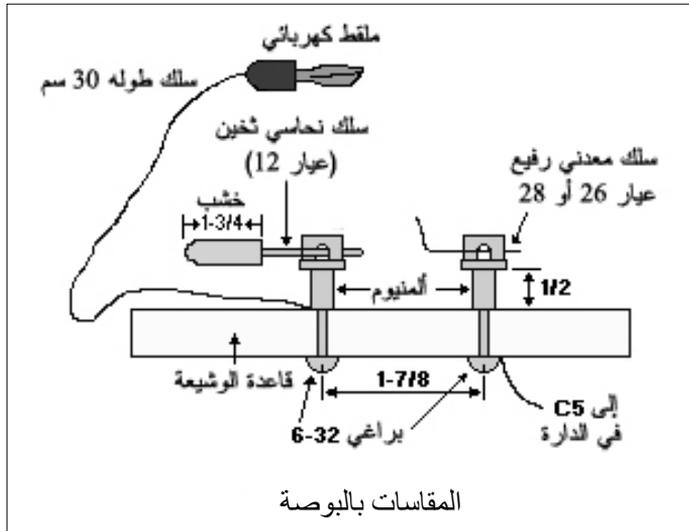
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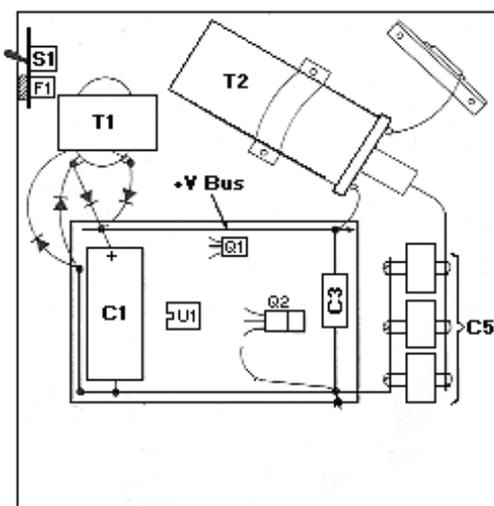
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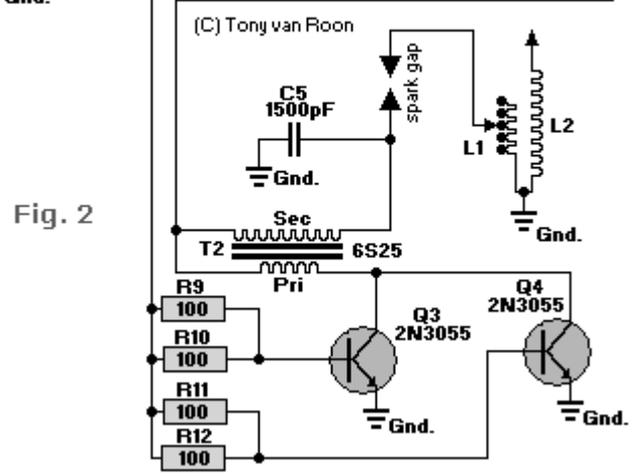
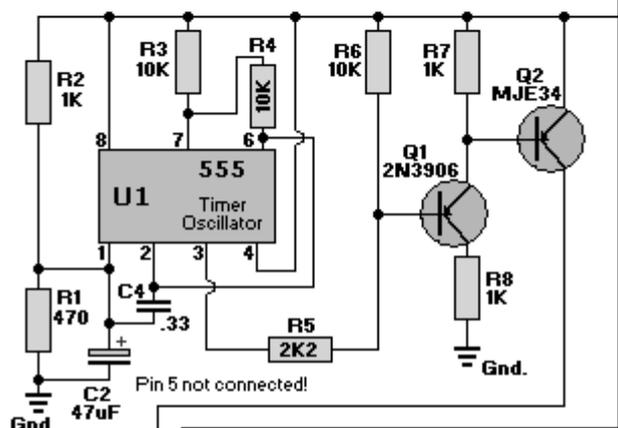
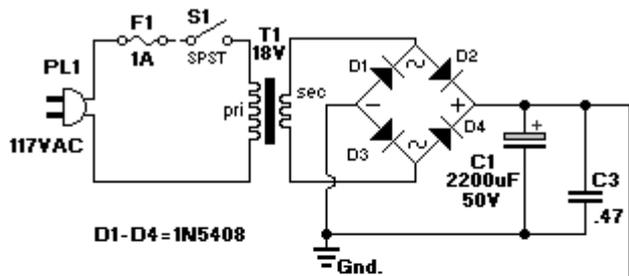
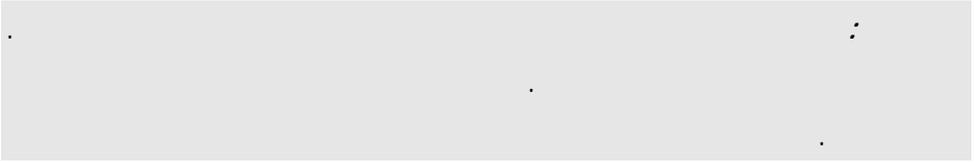


Fig. 2

(C) Tony van Roon



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U¹ = 555 Timer/Oscillator, IC. (NO CMOS!)

Q¹ = 2N3906 general purpose PNP silicon transistor

Q² = MJE32, NTE144 (or similar), audio freq. PNP silicon power transistor

Q³, Q⁴ = 2N3000 NPN silicon power transistor, TO-18

D¹-D⁴ = 1N4001, 1A, 100-PIV, silicon rectifier diode

All resistors are 1/4-watt, 5% units, unless otherwise noted

R¹ = 470 ohm

R², R³, R⁴ = 1K

R⁵, R⁶, R⁷ = 10K

R⁸ = 2K2 (2200 ohm)

R⁹-R¹² = 100 ohm, 1-watt

C¹ = 2200Uf, 50V, electrolytic

C² = 47Uf, 50V, electrolytic

C³ = .047Uf, 100V, mylar

C⁴ = .022Uf, 100V, mylar

C⁵ = 1000Pf, 1KV, (2 parallel connected 500Pf doorknob capacitors)

F¹ = Fuse, 1A, 250V

L¹, L² = TESLA COIL

S¹ = SPST miniature toggle switch

T¹ = 117VAC primary, 100VAC secondary, 1A, step-down transformer

T² = Automobile ignition coil (Ford #1S20, or similar)

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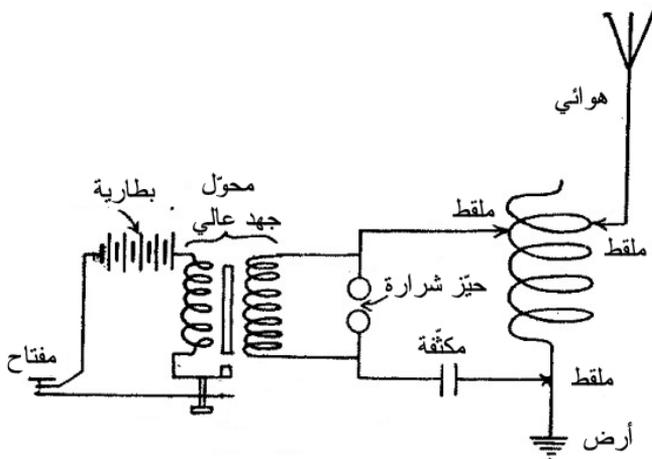
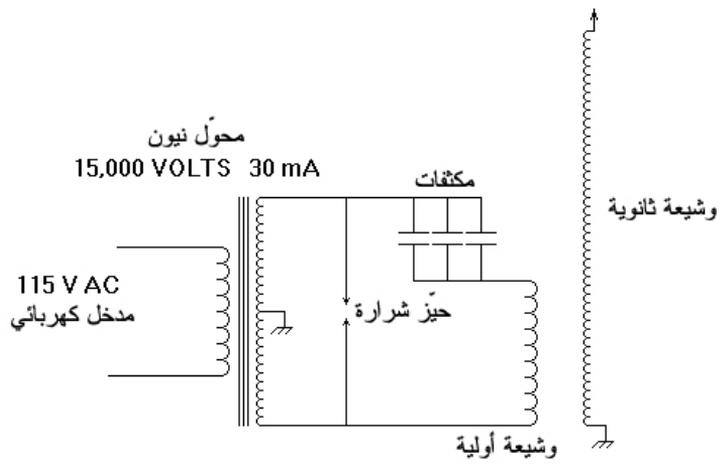
Art of Transmitting " " :
.Electrical Energy Through the Natural Mediums

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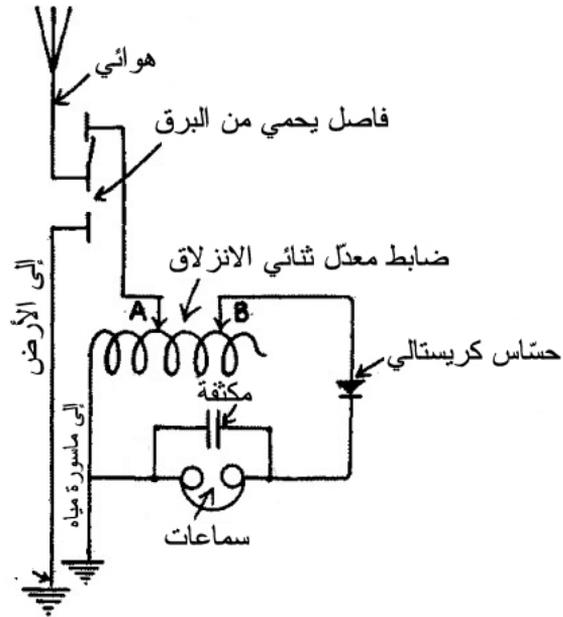
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(B) FIG. 20.—Wiring of Diagram for Sending Set No. 1.

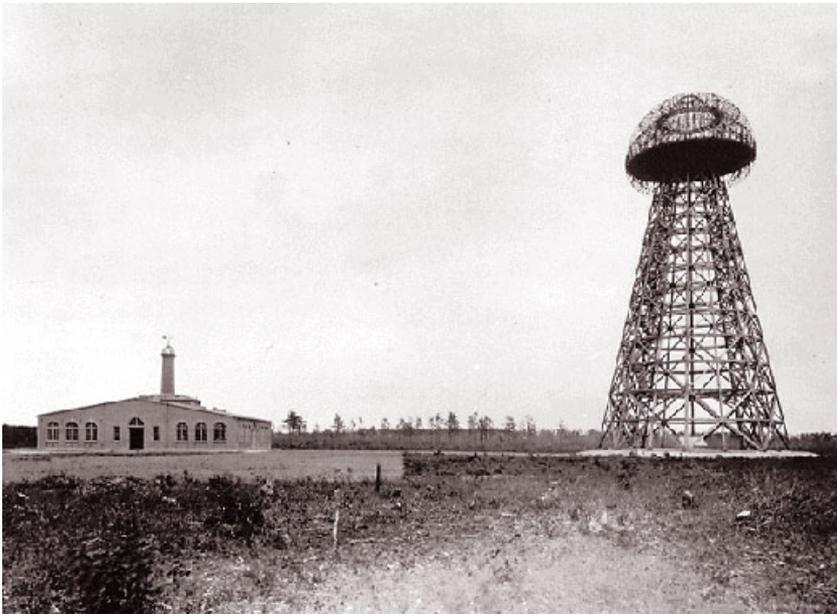
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(B) FIG. 15.—Wiring Diagram for Receiving Set No. 1.



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longitudinal waves

radiant energy

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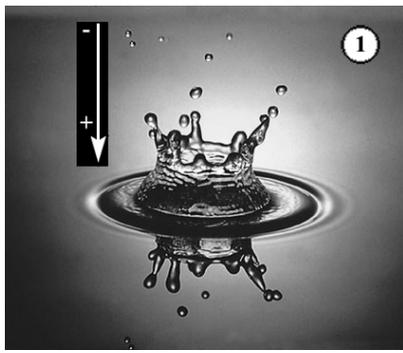
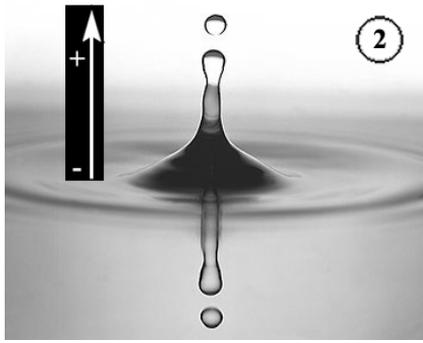
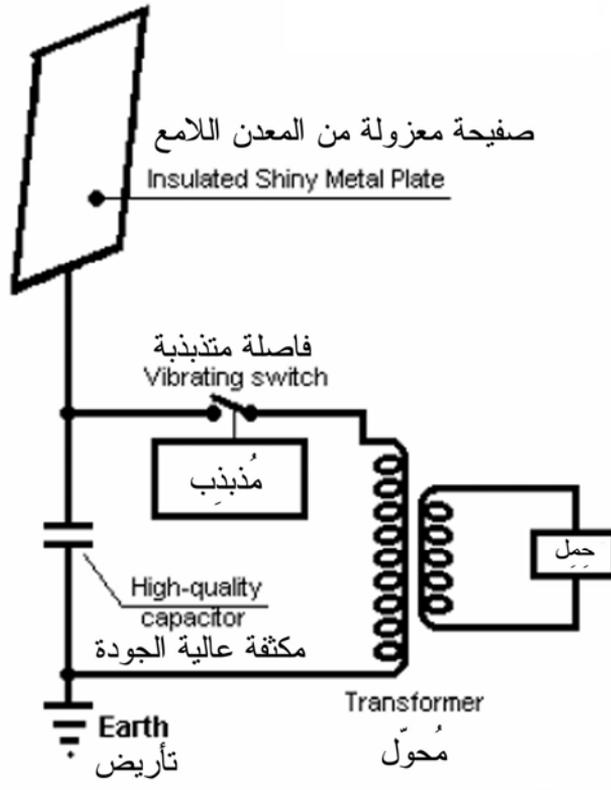
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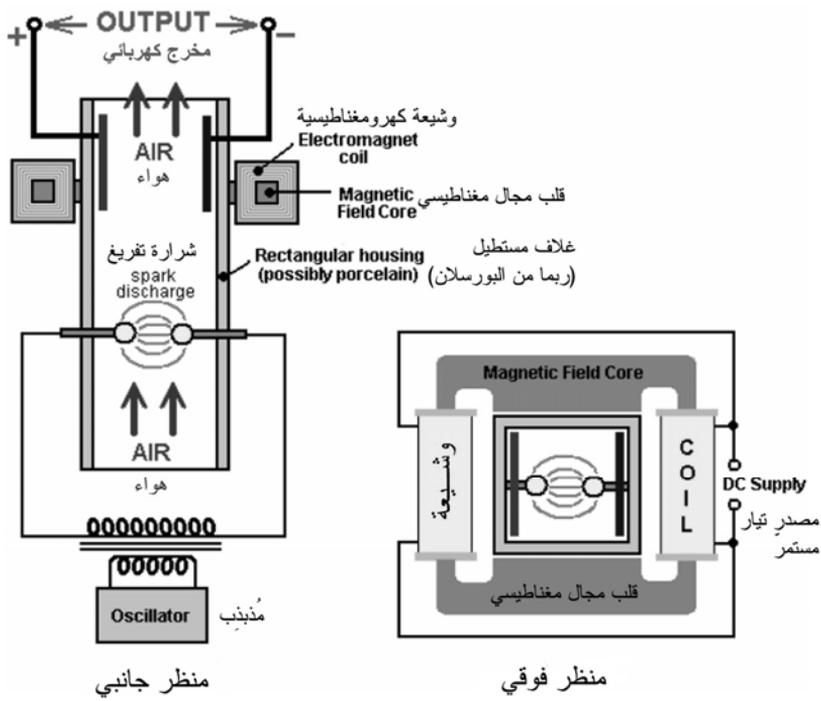
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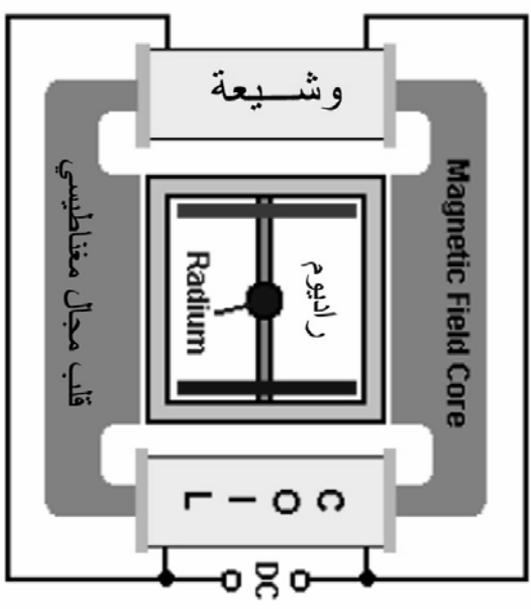
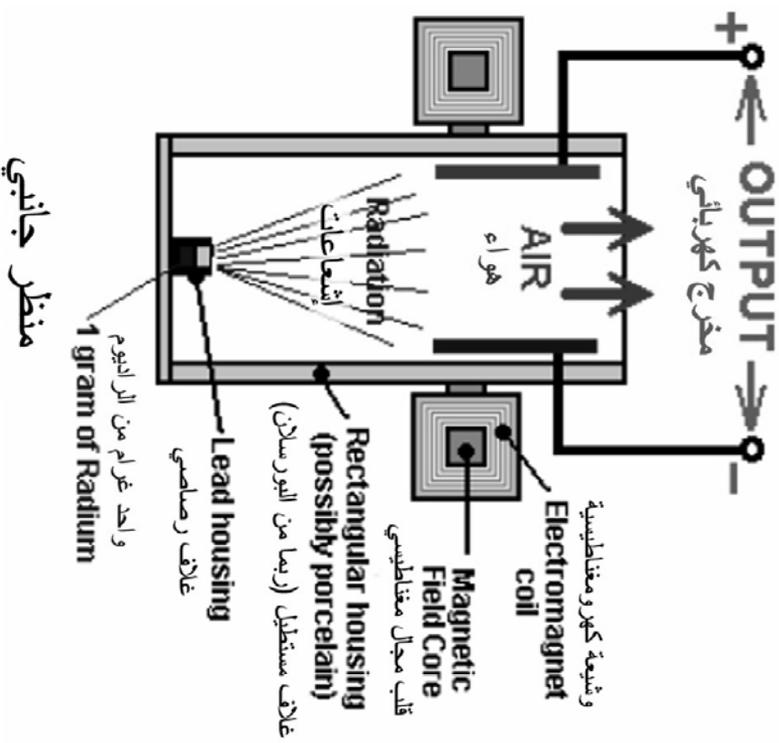
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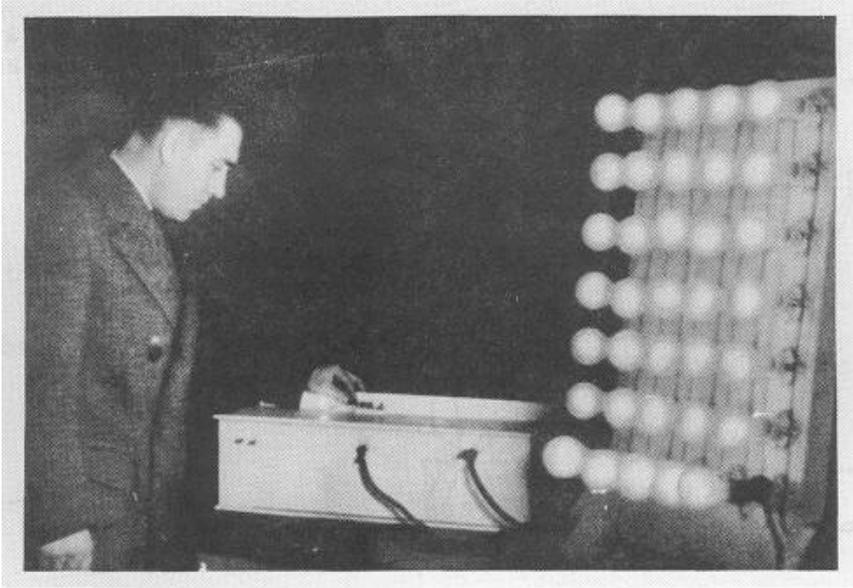




longitudinal waves

radiant energy





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germanium diode

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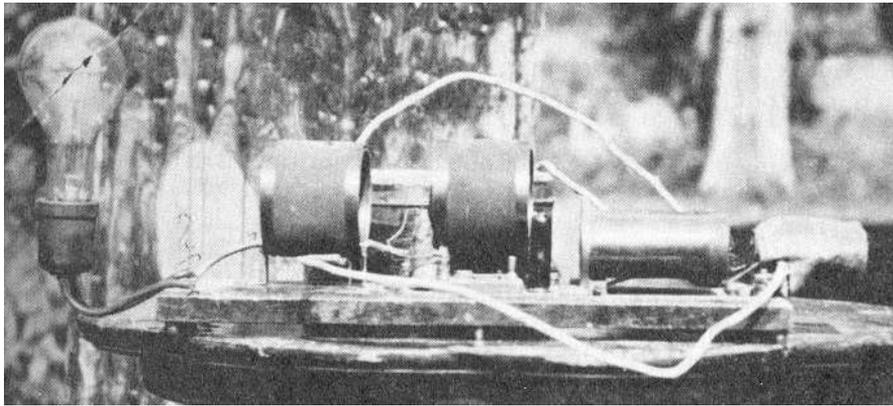
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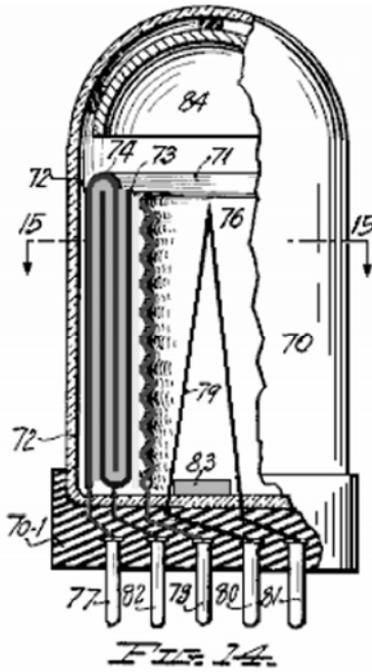
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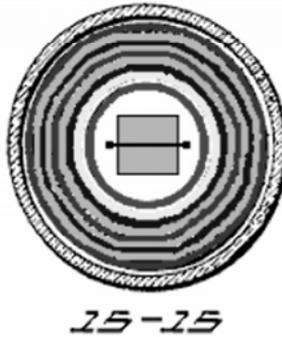
radium salts

ionization

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Capacitor plate صفائح تكثيف
Dielectric عازل كهرباء
Brush-discharge electrode قطب تفريغ أيوني فرجوني



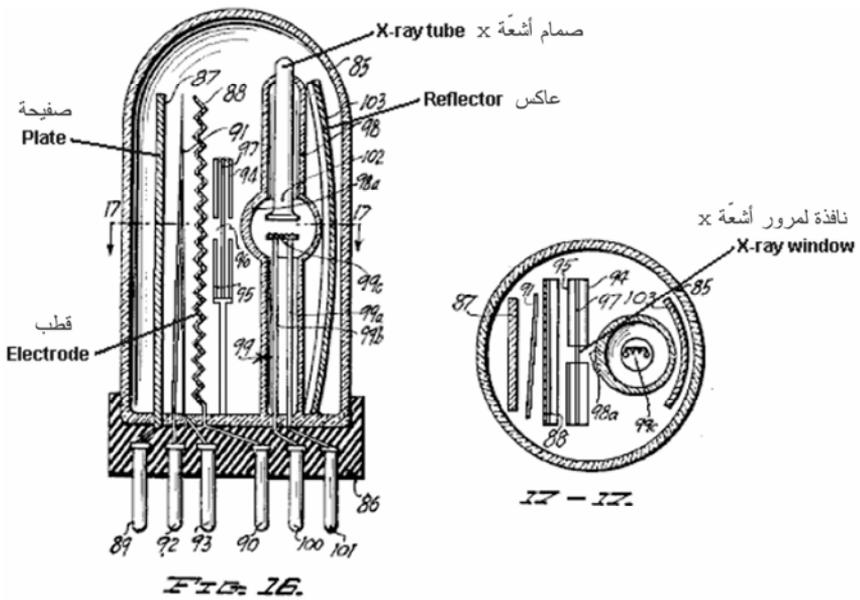
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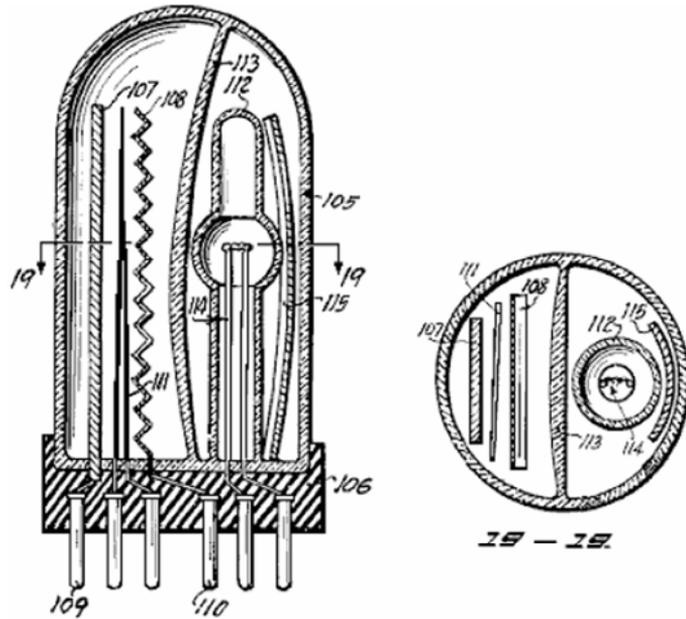
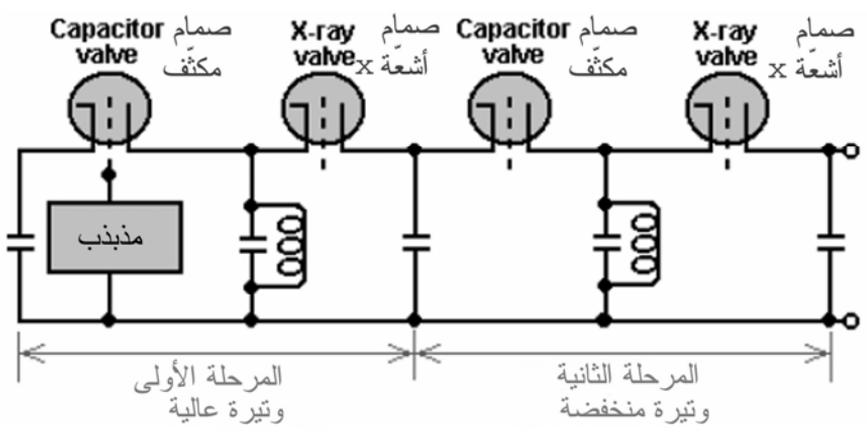


FIG. 28.

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.current-limiting capacitor

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triode valve

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load coils

current-limiting capacitor

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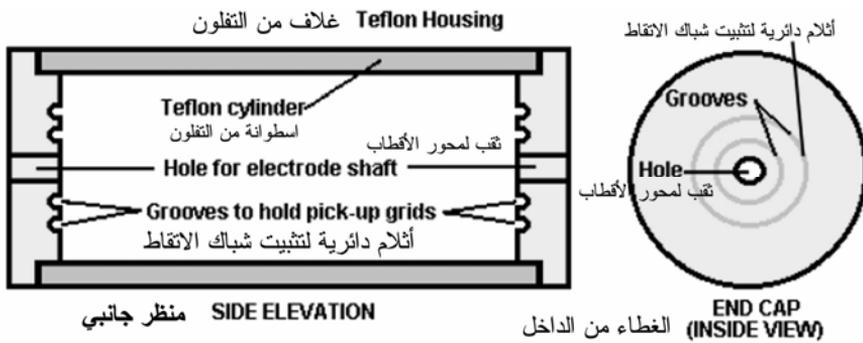


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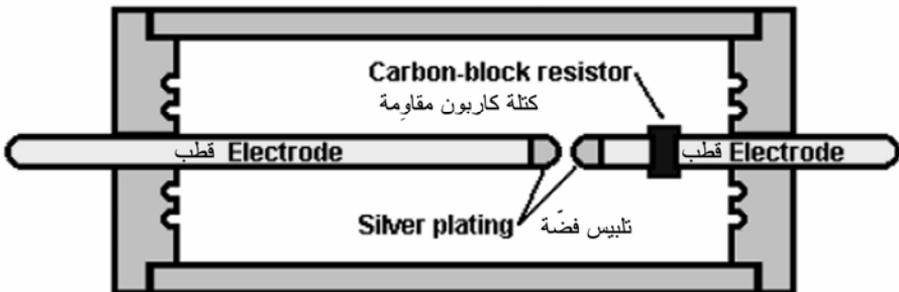
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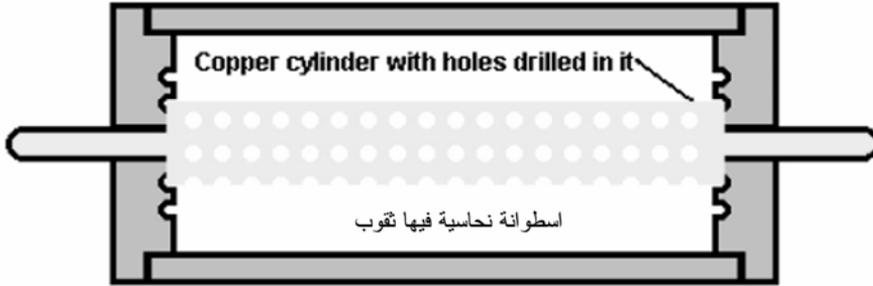
View showing the electrodes in place

منظر جانبي يبين الأقطاب في مواقعها



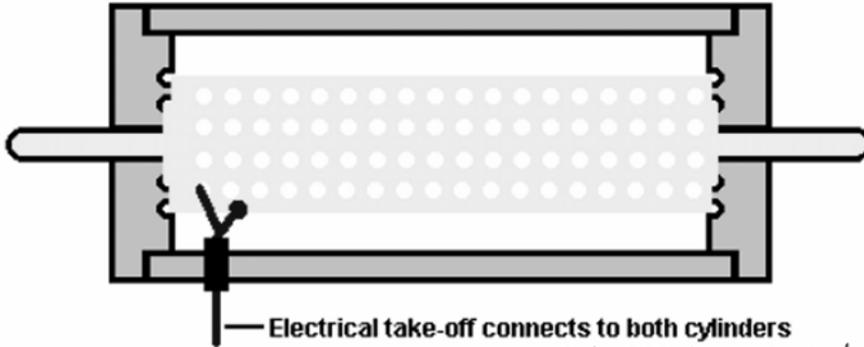
View showing the first pick-up grid in place

منظر جانبي يظهر شبكة الالتقاط الأولى في مكانها



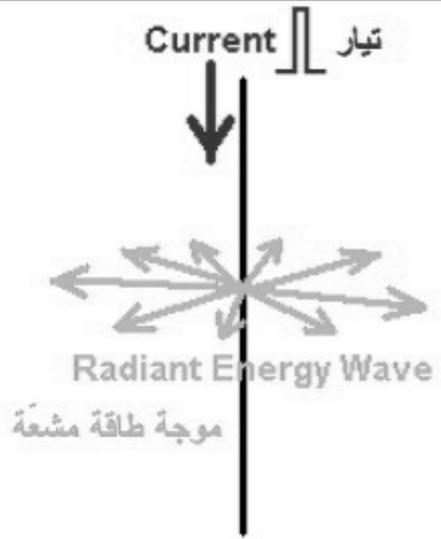
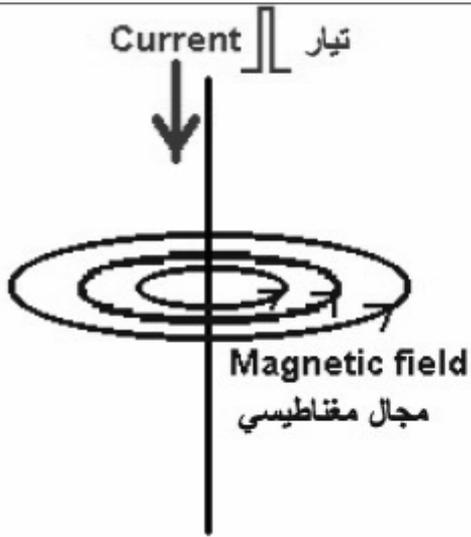
View showing the second pick-up grid in place

منظر جانبي يظهر شبكة الالتقاط الثانية في مكانها



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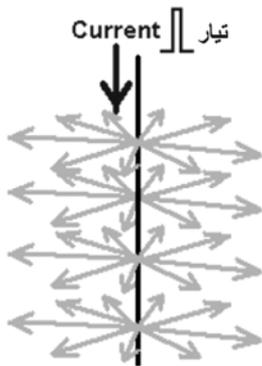


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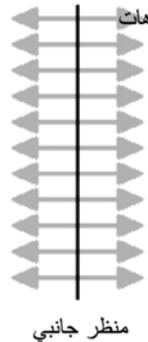
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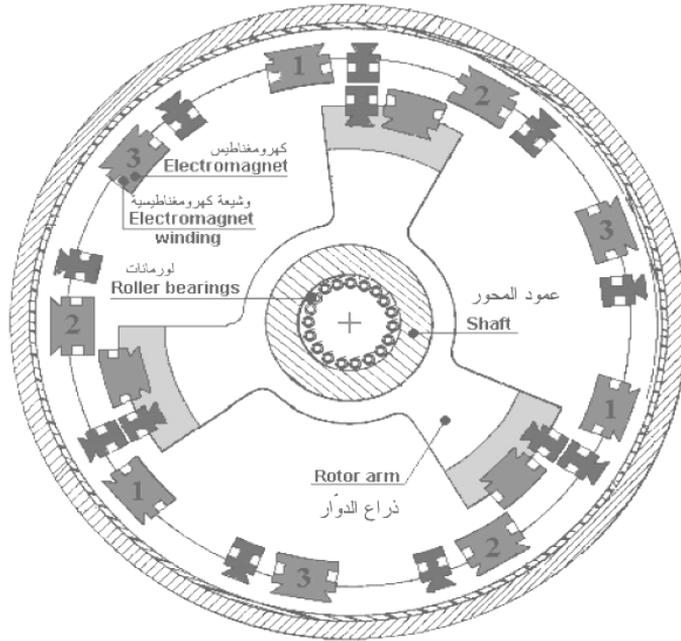


أو
OR



الطاقة المشعة تنطلق في كل الاتجاهات
Radiant Energy fans out
in every direction





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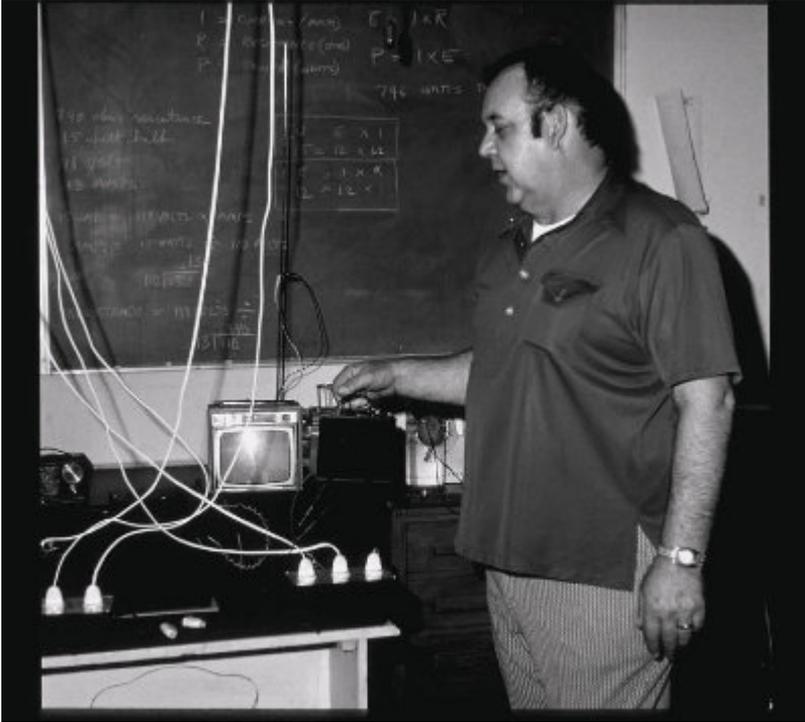
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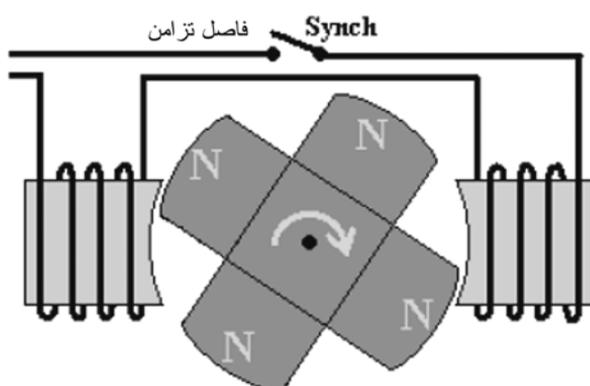


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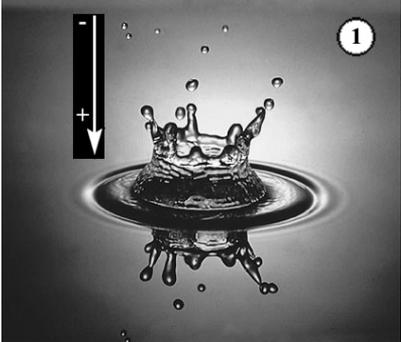
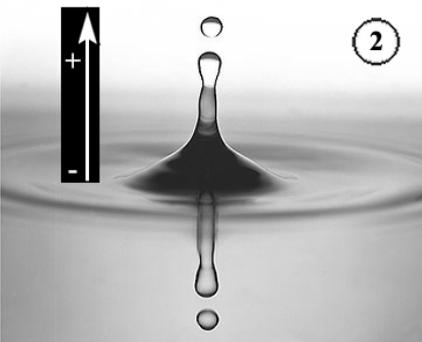




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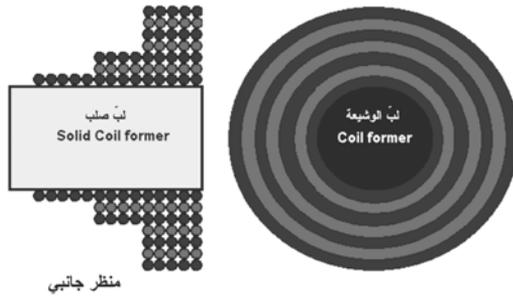
lacquer ()

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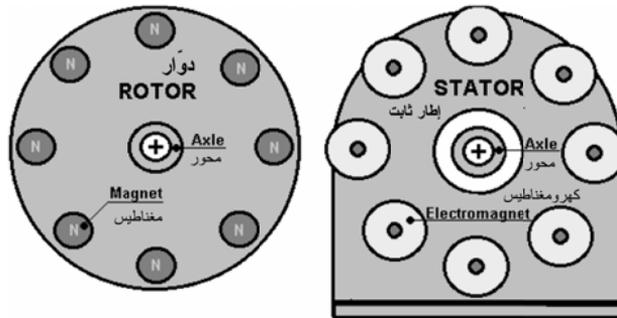
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Schmitt

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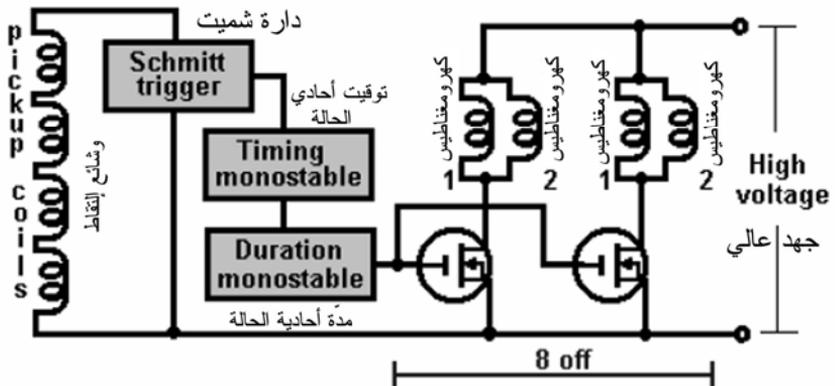
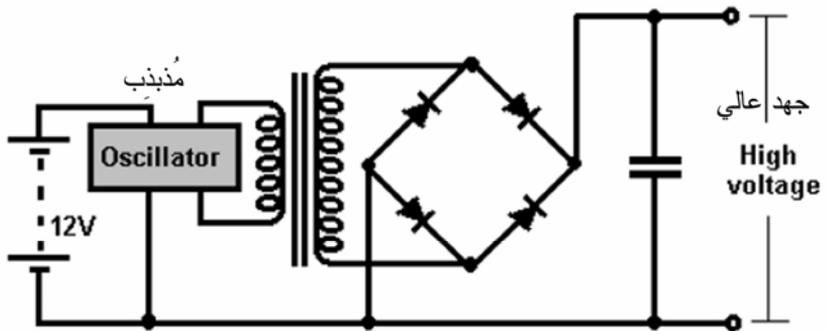
monostable "

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.SYKOGENE.COM

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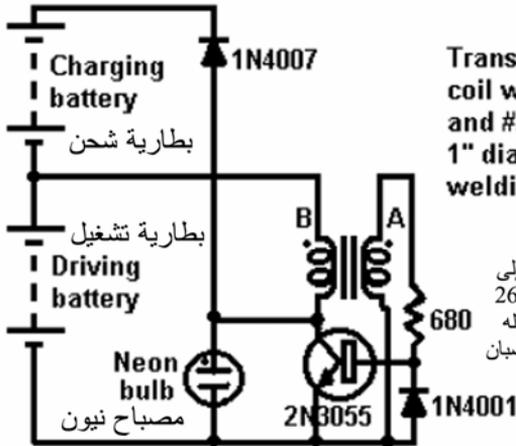
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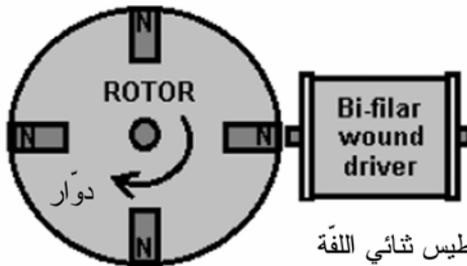


pulse motors



Transformer wound as bi-filar coil with 450 to 800 turns of #23 and #26 wire wound together on 1" dia spool 1.5" long with welding wires used as core.

محول ملفوف كوشبيعة ثنائية اللفة، مع 450 إلى 800 لفة من سلكين نحاسيين من عيار 23 و 26 ملفوفين معاً على محور قطره 1 بوصة وطوله 1.5 بوصة، هذا المحور يتألف من رزمة قضبان لحام.



كهرومغناطيس ثنائي اللفة



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.bi-filar wound

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A

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2N3000

A

.ON

B

A

1N4001 diode

B

.1N4007 diode

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peak repetitive

1N4001

1N4007

inverse voltage



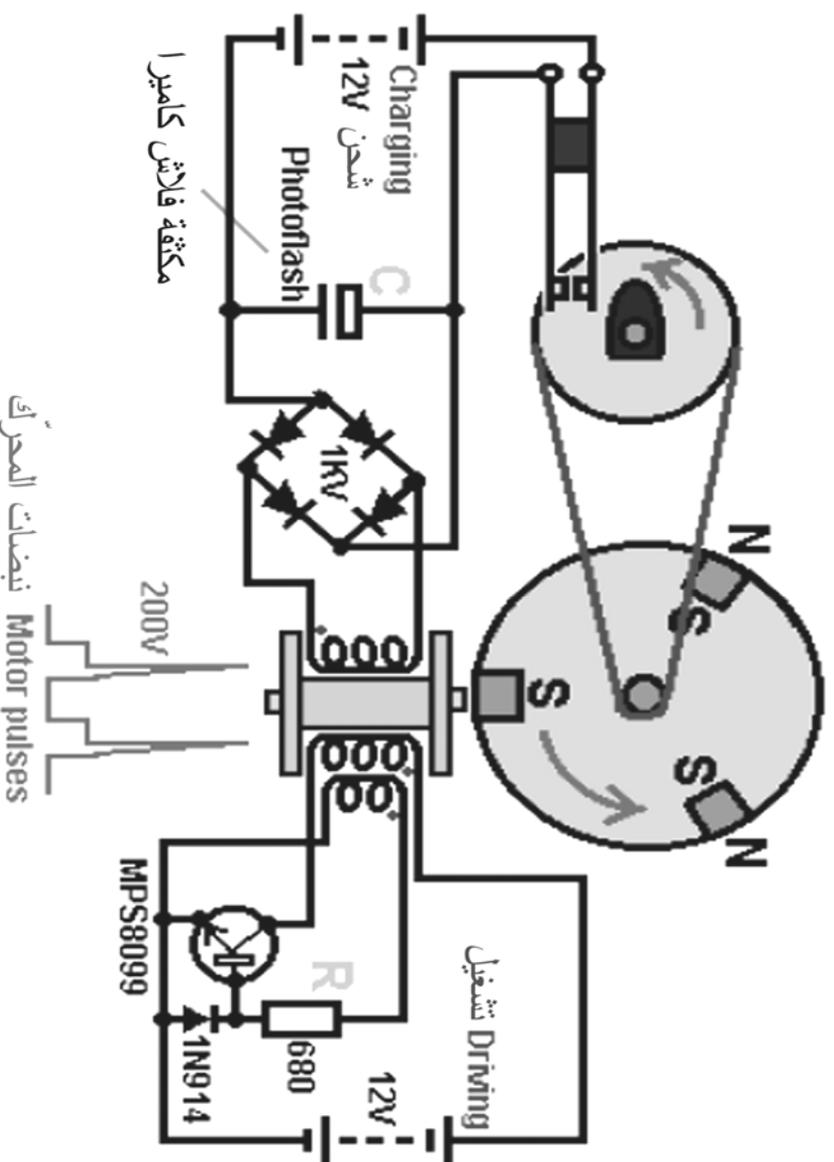


voltage

bi-filar coil

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Motor pulses نبضات المحرك

مكثفة فلاش كاميرا

تشغيل Driving

Charging 12V شحن

Photoflash

C

1kV

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680

12V

MP8099

1N914

"tri-filar" coil

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voltage

diode

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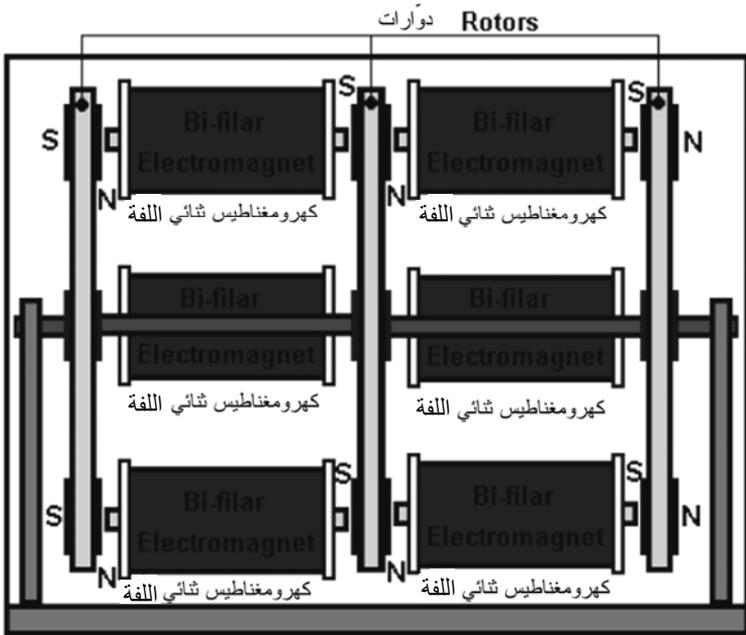
switch

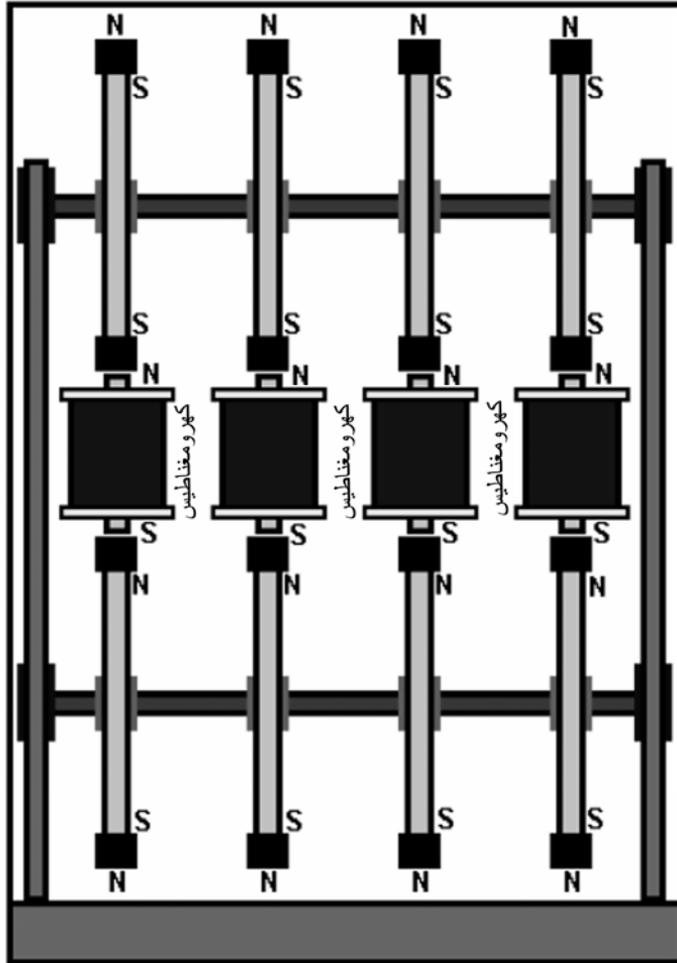
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semiconductors

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"Litz" wire " "

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.WATTLESS (CURRENTLESS) POWER "





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ElectroMotive Force"

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Vacuum

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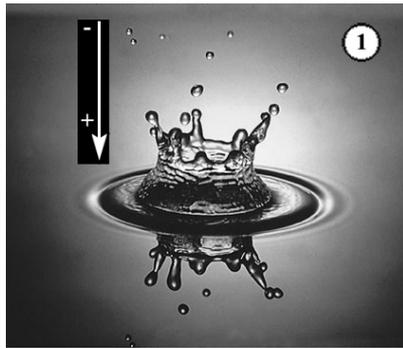
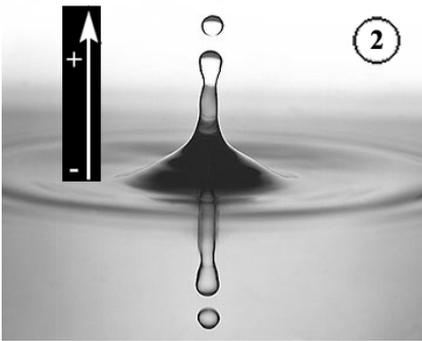
$$.(-F = ma + v(dm/dt))$$

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" " chi " " prana " "
 MUMIA " " illiaster " " Aether
 ODIC FORCE " " Paracelsus " "
 ANIMAL " " Von Reichenbach " "
 " " Franz A. Messmer " " MAGNETISM
 " " Dr. Brunler " " BIO-COSMIC ENERGY
 " " Dr. Hieronymus " " ELOPTIC ENERGY
 X-FORCE " " Dr. Wilhelm Reich " " ORGONE
 .. " " ...Dr. Eeeman " "

" " :
 RADIANT " " " " " NEUTRINO SEA
 FERMI SEA " " Dr. T.H. Moray " " ENERGY
 TACHYON FIELD " " PRIMARY ENERGY " "
 ZERO " " Prof. G. Feinberg " " . "
 " " GRAVITY FIELD ENERGY " " POINT ENERGY
 " " SPACE ENERGY
 " "





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Oliver Lodge " "

S. Seike " " / × ,

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seething cauldron " " "

physical " " ZPE zero point energy

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Nikola Tesla "

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.. " :JAMES CLERK-MAXWELL "

(Prof. Paul DIRAC, N.L. 1901, deBROGLIE, N.L. 1909 :) " ..

.. " :Albert Michelson "

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.. " :OLIVER LODGE "

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.. " :Albert EINSTEIN "

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STARK, N.L.; ARRHENIUS, N.L.; A. H. COMPTON, N. L., P.E.A. :

.LENARD, N.L.; H. UUKAWA, N.L.; F. SODDY, N.L

conservation of energy law "

virtual particle
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neutron

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PHYSICS

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" " cosmic energy pumps " " "gravitational diodes
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"Energie im Überfluss" by Hilscher, 1991. :

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R. Buckminster Fuller

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John W. Ecklin

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MAXWELL'S "

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DISPLACEMENT CURRENT

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William Whamond-Canada

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Rural Electrification Administration "

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The Lost Journals of Nikola Tesla: Tim Swartz

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SYKOGENE.COM

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