

## Reclaiming Our Air ... For Healthy Living

The prime objective of the Water Fuel Injection Technology of Invention (s) is to help reverse the damage being done to "Earth Ecological Life Support System" by first of all encouraging the use of "Water" as a new "Fuel" source since the by-product of releasing thermal explosive energy (gtnt) from water is simply "Water Mist" which is energy recyclable by absorbing solar-energy from the incoming sun rays ... automatically limiting the use of fossil-fuel burning •.. stopping the extraction of Oxygen O<sub>2</sub> molecules from the air since "Water" supplies its own oxygen molecule to support the hydrogen combustion process.

Secondly, re-energizing the energy-level of the air by the use of WFC Gas Processor by tapping into "Universal" energy by way of particle oscillation as a energy generator.

And lastly, make use of WFC Exhaust Air Reclaiming technology to unlock and do away with airborne chemical-oxides derived from fossil-fuel burning when ambient air passes through the internal combustion (IC) engine running on water ... thereby repurifying our air for healthy living while maintaining the Industrial economy of the World. Remember, water, of course, is free, abundant, and energy recyclable.

WFC Exhaust Air Reclaimer technology utilizes the WFC Electrical Polarization Process to reverse the degradation effect of burning fossil-fuel ...liberating chemical-oxides oxygen O<sub>2</sub> molecules once again for reuse under "Earth Ecological Life Support System" ... collecting atoms under static charged for industrial reuse ... resulting in revitalized "Clean" air once again to sustain all life-forms on Earth. WFC Exhaust Air Reclaimer functions in the following way:

## Section 9

## Reclaiming Our Air ... For Healthy Living

*In almost all cases of scientific accomplishments, spin-off technology occurs. The Water Fuel Cell technology of Inventions is no exception to this rule. For every cause there is a reason and for every reason there is an answer and for every answer there is progress. Without scientific progress, we can not hope to cope with, nor solve, the needs of the World. The answers given below are for this purpose and this purpose only.*

### Electrovalent Bonding

In similar manner by which polar Water Molecule unlike atoms (Hydrogen Atoms  $1$  Oxygen Atom ID (210) of Figure (3-27) take-on opposite electrical Charges ( $B^+ 1 B^-$ ), other gas-atoms molecule (s) experience the same Electrical Charge Effect ( $q - q'$ ) when covalent-electron sharing occurs, as illustrated in polar-molecule Carbon Dioxide  $CO_2$  (910) of Figure (9-2) as to allotropic molecule of Ozone  $O_3$  (930) of Figure (9-4). Carbon Dioxide molecule  $O_2$  (910) Electrovalent Bonding forces ( $q - q'$ ) comes into existence when unlike Carbon Atom (902) shares electrons with each of two Oxygen Atoms (901a 901b) since the accepted and captured covalent electrons migrates toward both oxygen atom (901a and 901b) nucleus proton-cluster of eight particles having a greater total positive static charge than Carbon Atom (902) nucleus proton-cluster of only six ... forming polar charged ( $B^+ / B^-$ ) Carbon Dioxide  $CO_2$  molecule (910). The additive two captured/accepted electrons (total ten 10 electrons as to only eight B protons) causes both oxygen atoms (901 a /901b) to individually take-on a negative electrical charge ( $B^-$ ) while the center positioned Carbon Atom (902) emanates a positive electrical charge ( $B^+$ ) of equal but opposite electrical intensity ( $q - q'$ ) when its shared electrons is/are being used/accepted by unlike oxygen atoms (901a / 901b). Nitrogen Dioxide  $NO_2$  (940) of Figure (9-5) is another example of polar electrical charging ( $q - q'$ ) of two unlike atoms forming a stable molecule wherein a Nitrogen Atom (N) (903) covalently interlocks with two Oxygen Atoms (904a 904b). Identical gas-atoms of Oxygen Atoms (905a /905b 905c) of Figure (9-4) further exhibits Electrical Charging Effect ( $q - q'$ ) since in all cases the second Electron Shell (L- orbit) can accept up to eight (8) electrons to cause molecule stabilization. Transitional gas-molecule of Oxygen  $O_2$  combines together two oxygen atoms (906a /906b) in this way while allowing the donor oxygen atom (906b) to except another oxygen atom (905c) of Figure (9-4) since it's L-Orbit (Outer Shell) still has available two "Electron-Gaps" for covalent Linkup, as illustrated in (920) of Figure (9-3). Electrical Charging Effect ( $q - q'$ ) is Electrical Attraction Force ( $q - q'$ ) of opposite electrical polarity between the established positive ( $B^+$ ) electrically charged atom (s) and the negative ( $B^-$ ) electrical charged atom (s). Electrical intensity of Opposite Electrical Attraction Force ( $q - q'a' - 907a + q - q'b' - 907b$ ) (herein after called Electrovalent Bonding) (total electrical bonding force between two opposite electrical charged atoms) are equivalent to the total number of electrons being used/accepted by the host atom (s) having the

greater positive charged (B+) nucleus as so established under the laws of physics which states for "every action there is an equal and opposite reaction". This is possible due the fact that all orbiting individual electrons display their own negative electrical charge (B-) whereas each proton-particle separately supports a positive electrical charge (B+) ... both opposite electrical charged particles (Proton as to each Electron) being equal in electrical magnitude ( $B+ = B-$ ). And due to the fact that the oxygen atom does not take-on an electromagnetic charged field since its electrons pair together and spin in opposite direction.

### Ecological Support Cycle Changing

Electrovalent Bonding of similar and non-similar atoms to form gas-molecule (s) produces different elements of substance. For example, in the combustion process of burning fossil-fuel (oil, gasoline, diesel-fuel, coal, or natural gas) in air results in unwanted airborne pollutants such as Carbon Monoxide CO, Nitric Oxide NO, Nitrogen Dioxide N02, Carbon Monoxide CO, Carbon Dioxide 2C02, Sulfur Dioxide S02, and unburned hydrocarbons ... to mention a few. Once these chemical-oxides enters/discharged into the atmosphere surrounding Earth (see graph 950 of Figure 9-6) other chemical interactions (oxidization) may occur under the process of "Photochemical Bonding" by sunlight. For example, when Sulfur Dioxide S02 molecule Electrovalent link up to an Oxygen 02 molecule (920) of Figure 9-3) ... forming Sulfur Trioxides 2S03 which when mixed with rain produces "Sulfuric Acid" known Worldwide as "Acid Rain". 1bxicity of these air-borne (dilution in air) chemical-oxides (907) of Figure (9-6) is/are not only endangering "Earth Ecological Support System" but in the formation of these airborne chemical-oxides by way of catalytic-action of combustion (burning) are extracting/consuming enormous amounts of free floating Oxygen 02 molecule (920) of Figure (9-3) out of the air (less than 20% now as compared to 30% prior to the Industrial Age as so determined by polar ice-cap samples) which is vital to sustain all lire-forms on Earth (see Blue Planet cinematography-film by Imax,.NASA.).

These increases of airborne pollutants over the years are, also, a major contributor of decreasing Sun-Energy (photon absorption know as the "Green-House Effect") (estimated 10% reduction in some parts of the World today) which is, now, allowing the viro-germ of "Blight" to form ... killing-off forest region I plant -life around the World. Remember, plant-life is required to convert Carbon Dioxide CO2 (910) of Figure (9-2) into liberated Oxygen 02 so that the "Breath of Life" is provided for all animal-life. Entrapping the Oxygen 02 molecule in the chemical-oxide process of burning fossil-fuel (s) is, also, disrupting/preventing the "External Respiration Process" of plants from exchanging oxygen 02 and Carbon Dioxide 2m2 between the plant-organism and its environment in the present of sun light. The reduction of sun light is further stunting the growth of plants while, simultaneously, causing plant respiration process cycling-rate to decline exponentially. Worst yet, chemical-oxide airborne pollutants derived from burning fossil-fuels are chemically interacting with the Ozone layer 20 miles above Earth. ... causing ozone layer depletion ... allowing increased ultraviolet radiation originating from the sun to pass through the air troposphere ... contributing not only to changing/altering man's "Ecological Life Support System" on Earth but allowing a portion of Earth "Air Gases" to escape into outer space. Furthermore, free-floating

chemical-oxides are "Electrovalent-Bonding" to Earth ionosphere "" converting Earth Air Supply into a "Jelly-Like" substance ... entrapping moisture from air ... disrupting Earth Rain Cycle, as so illustrated in (960) of Figure (9-7). Dispersion of radioactive/chemical biological genn-agent (s) contaminated oil supplies coming out of the Arab Gulf War may pose another real threat to man's survival. Inhaling radioactive exhaust fumes from contaminated Arab oil certainly would cause Lung cancer if such a deplorable situation would be allowed to exist even for a brief period of time.

### WFC Development Objectives

The primary Purpose/objective of Water Fuel Injection System (590) of Figure (6-2) as to "FullSystem" development (10) of Figure (4-1) is, in the realm of scientific quest, to help reverse the damage being done to "Earth Ecological Life Support System" by first of all encouraging the use of "Water" as a new "Fuel" source since the by-product of releasing thermal explosive energy (gtnt) from water is simply "Water Mist" which is "Energy Recyclable" by absorbing "Solar-Energy" from the incoming sun rays, as so illustrated in Energy Recycling Spectrum (530) of Figure (5-6) ... automatically limiting the use of fossil-fuel burning ... stopping the extraction of Oxygen O<sub>2</sub> molecule from the air since "Water" supplies its own oxygen molecule to support the hydrogen combustion process. Secondly, re-energizing the energy level of the air by the use of WFC Gas Processor (80) of Figure (1-17) by tapping into "Universal" energy by way of particle oscillation as a energy generator, as so illustrated in Energy Pumping Action (520) of Figure (5-3) as to Energy Aperture (570) of Figure (5-10). And lastly, make use of WFC Exhaust Air Reclaiming technology (900) of Figure (9-1) to unlock and do away with the airborne chemical-oxides derived from fossil-fuel burning when ambient air passes through the Internal combustion (IC) engine running on water ... thereby repurifying our air for healthy living while maintaining the Industrial economy of the World. Remember, Water, of course, is free, abundant, and energy recyclable.

### WFC Exhaust Air Reclaimer

To eliminate the possibility of expelling out any Nitric Oxide NO gas which is generally produced when an electrical spade occurs inside an internal combustion (IC) engine or any other chemical-oxide that may be present in the exhaust-air, WFC Exhaust Air Reclaimer (900) of Figure (9-1) can be utilized to comply with U.S. Environmental Protection Agency (EPA) clean Air Act Similar in construction to Voltage Intensifier Circuit (110) of Figure (4-9), WFC Exhaust Air Reclaimer (900) of Figure (9-1) utilizes opposite electrical attraction force (RR' - SS') of voltage potential ( $V_a \times V_n$ ) to separate the atoms of the Nitric Oxide NO molecule (typically < 1ppm when running on water) by overcoming Electrovalent Attraction Force ( $q - q'$ ) that exist between the polar-charged Nitrogen (B+) and oxygen (B-) atoms. This is accomplished since the Voltage Intensifier Circuit (110) of Figure (4-9) is pulsed sensitive (49a xxx 49n) to tune-in to the dielectric properties of the airborne gas-molecule to not only activate Covalent Switch-Off phenomenon (550) of Figure (5-8) by restricting amp influxing to cause "Electrical Stress" across

capacitor gap (Cp) (690) of Figure (7-6) but, also, elongates the electrically polarized Nitric Oxide NO molecule to change the time share-rate of covalent electron (s) .•• performing the same function as Electrical Polarization Process (160) of Figure (3-26) by which the positive electrical voltage potential (71) attracts the negative charged oxygen atom; while, simultaneously, negative electrical voltage potential (61) attracts the positive charged Nitrogen Atom ... pulling apart and separating the atoms of the Nitric Oxide NO molecule by way of Voltage Dynamics (220) of Figure (3-29) under the law of physics which states "opposite electrical charges attracts", as so illustrated in (900) of Figure (9-1). Likewise, other chemical-oxide gas molecule (s) such as Nitrogen Dioxide N02 (940) of Figure (9-5) exposed to Electrical Polarization Process (160) utilizing Gas Resonant Cavity (140) undergoes the same molecule-to-atom separation ... thereby, reversing the degradation effect of burning fossil-fuels •.. liberating oxygen O2 molecule once again for reuse under "Earth Ecological Life Support System" ... collecting atoms under static charged for Industrial reuse •.. resulting in revitalized clean air once again to Sustain all life-forms on Earth. Of course, water mist derived from hydrogen combustion is removed prior to engine exhaust air-gases entering into and passing through WFC Exhaust Air Reclaimer System (900).

Air purification by atomic deflection (900) of Figure (9-1) is possible since airborne atoms are neither destroyed nor created during exposure to "Voltage" pulse-stimulation (E11/E12 ... 49a xxx 49n) propagating "Electrical Stress" pulse-waves (Mm'- ASS') which, in turn, induces "Electrovalent Switch-off" phenomenon (550) of Figure (5-8). Energy enhancement of these liberated airborne atoms during the process of molecular-separation (900) comes either from Photon Absorption Process (537) of Figure (5-6), or from Energy Pumping Action (520) of Figure (5-3), or combination of both Energy Sources ... Sun Energy (534) in retrospect to Universal Energy Pathway 2 of Figure ~, as so illustrated in "Energy Recycling Spectrum (530) of Figure (5-6). In alternate form, solid state electrical photon-light source (Light Emitting Diodes) (1100 xxx 116n) of Figure (3-33) replaces Sun Rays (539) of Figure (5-6) when "Voltage Tickling of State Space" (770 of Figure (8-1) acts as a "energy generator" by way of "particle oscillation" ~ of Figure ~ as to (~ .of Figure ~ to cause/activate Atomic Energy Level Adjustment (540) of Figure (5-7), as illustrated in Gas Processor Process (260) of Figure (3-33) as to Figure (1-17).

#### Ecological Plus Factors

Other application (s) of the WFC Air Reclaimer technology (900) of Figure (9-1) is/are realized, such as but not limited to: destroying bacteria in human waste-slurry for natural fertilization, omission of many toxic-waste chemicals by atomic separation of there liquid to gas molecules for industrial reuse, and even for static charging sea water contaminates for fresh water supply ... to mention a few.

900

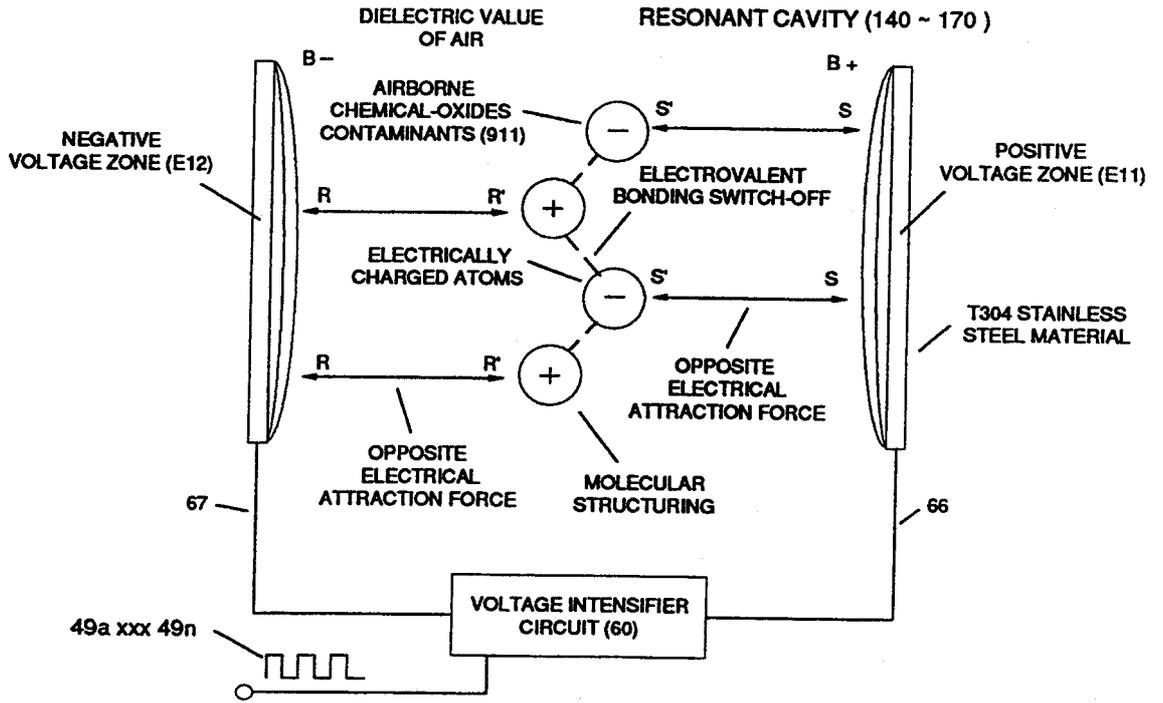


FIGURE 9-1: EXHAUST AIR RECLAIMER

910

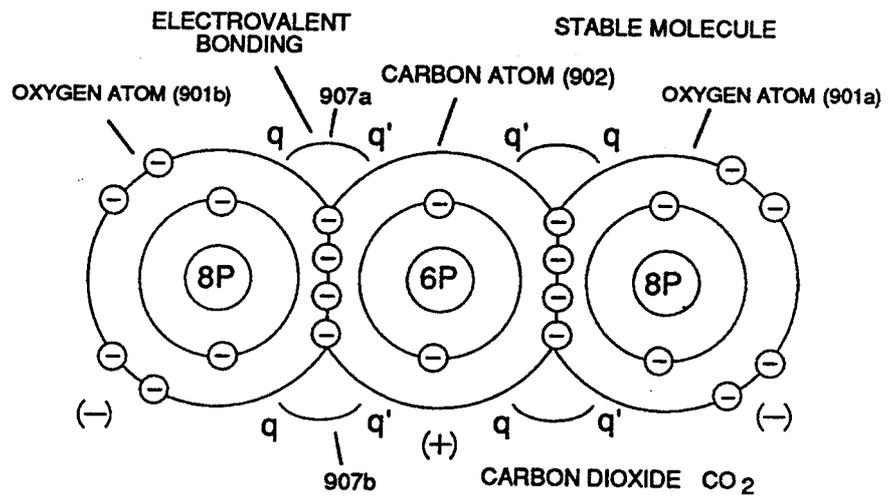


FIGURE 9-2: CARBON DIOXIDE CO<sub>2</sub>

920

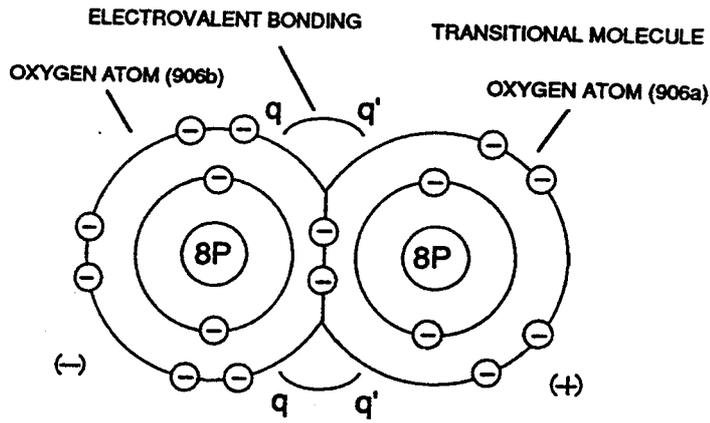


FIGURE 9-3: OXYGEN O<sub>2</sub>

930

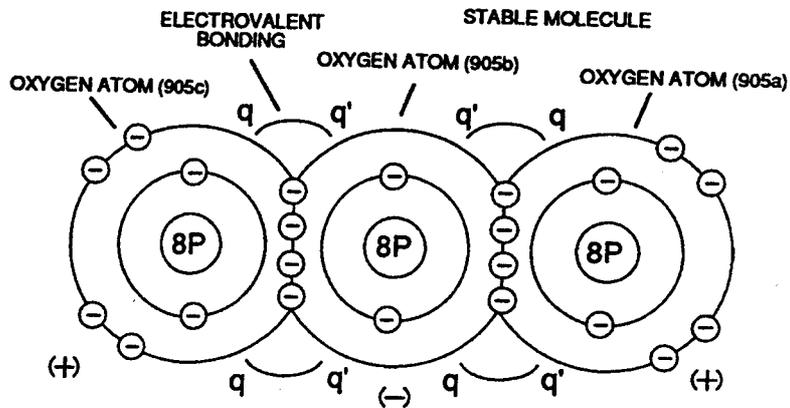


FIGURE 9-4: OZONE O<sub>3</sub>

940

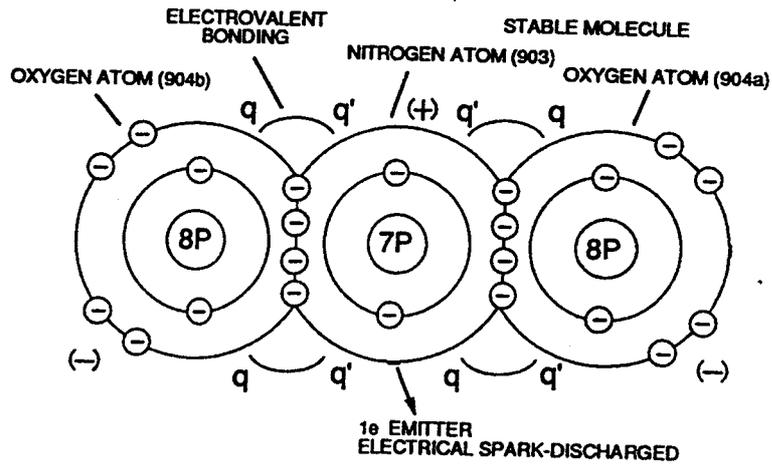


FIGURE 9-5: NITROGEN DIOXIDE NO<sub>2</sub>

950

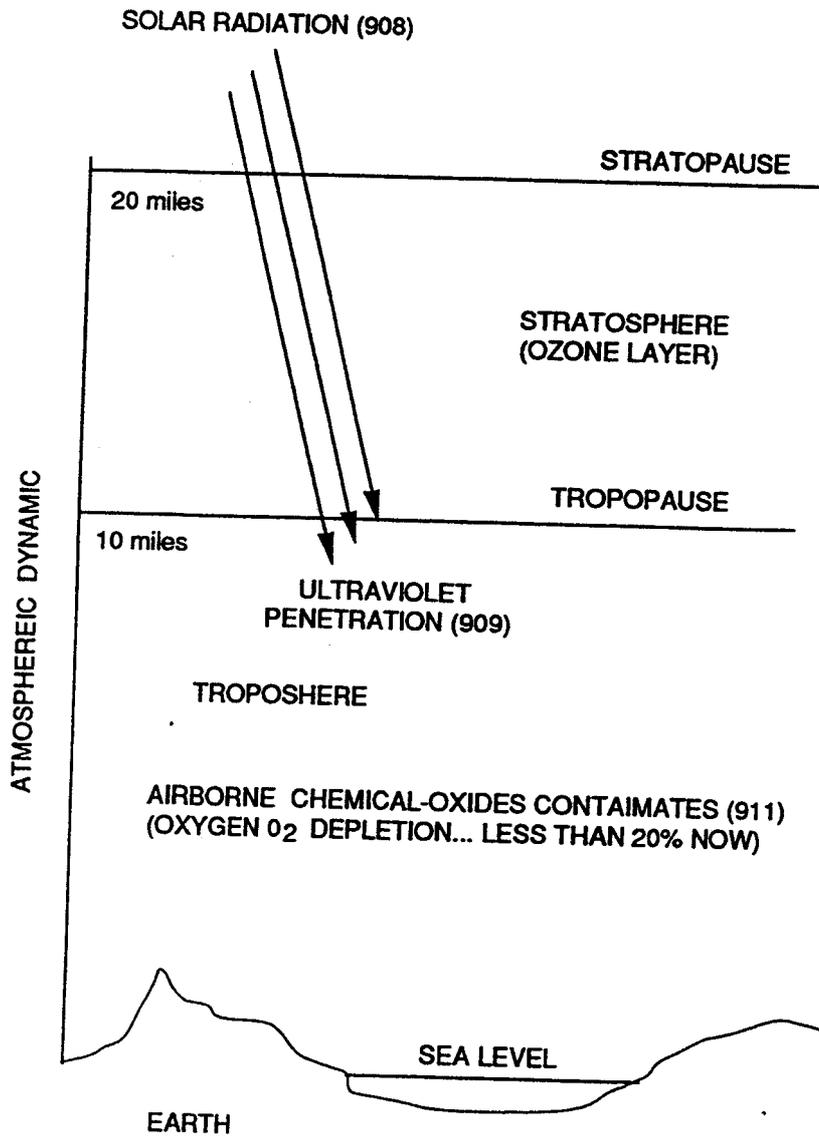


FIGURE 9-6: RE-PURIFYING EARTH AIR SUPPLY

960

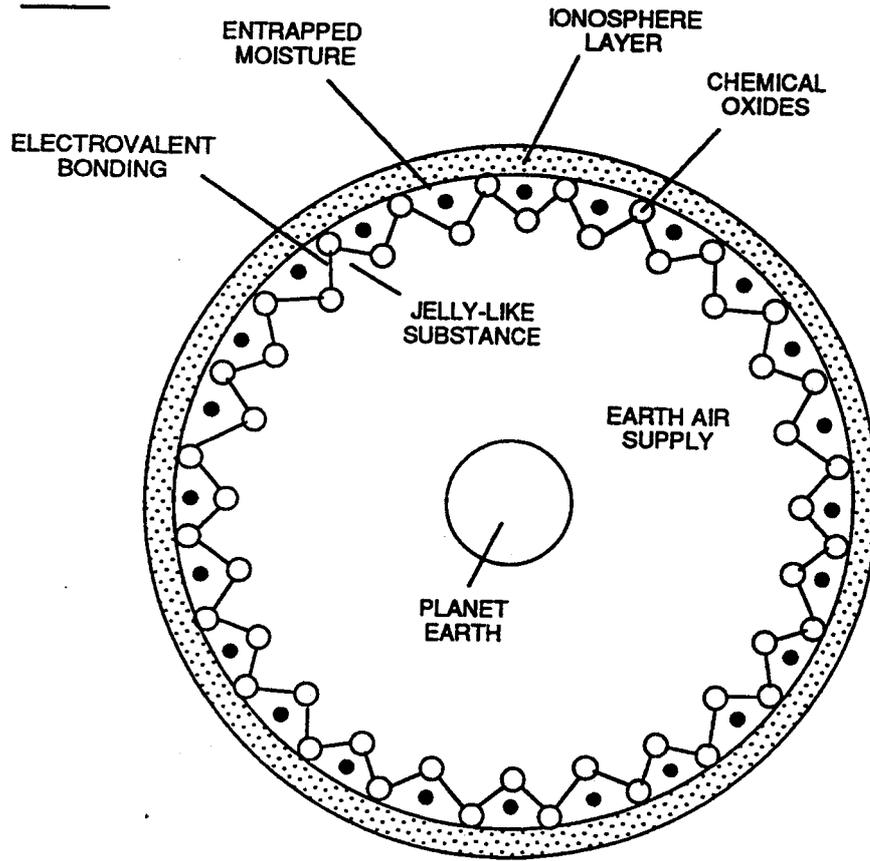


FIGURE 9-7: SPACESHIP EARTH