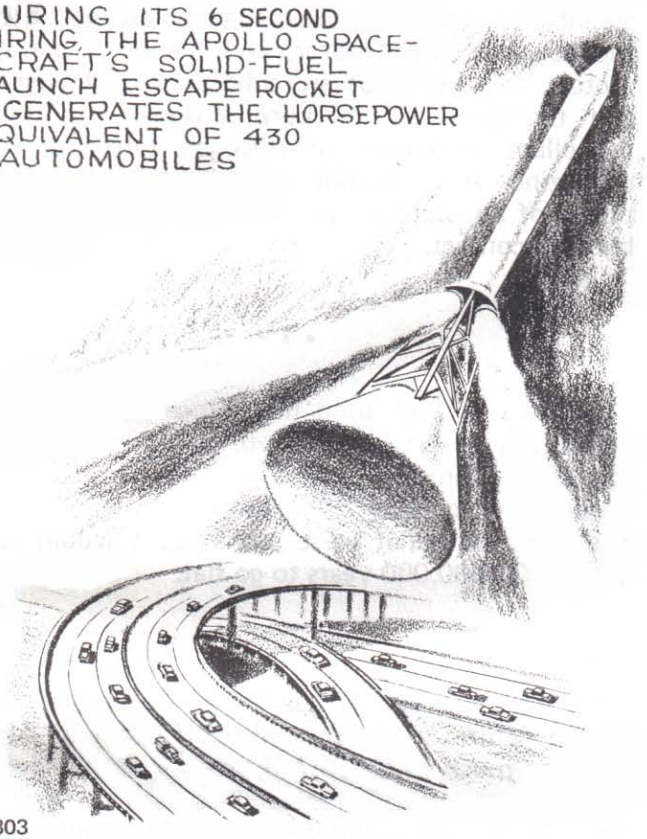
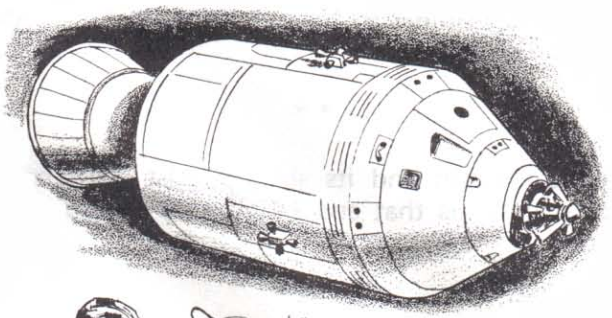
DURING ITS 6 SECOND FIRING, THE APOLLO SPACE-CRAFT'S SOLID-FUEL LAUNCH ESCAPE ROCKET GENERATES THE HORSEPOWER EQUIVALENT OF 430 AUTOMOBILES



P-303



WHEN THE APOLLO SPACECRAFT PASSES THROUGH THE EARTH'S VAN ALLEN BELTS

EN ROUTE TO THE MOON, ITS TRIO OF ASTRONAUT CREWMEN WILL BE EXPOSED TO RADIATION EQUIVALENT TO THAT OF A DENTAL X-RAY.

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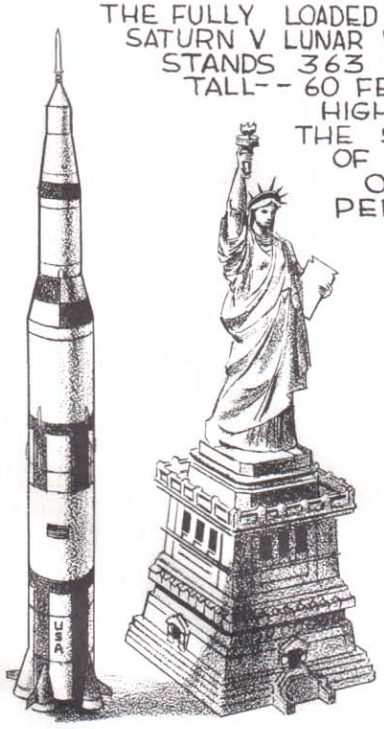
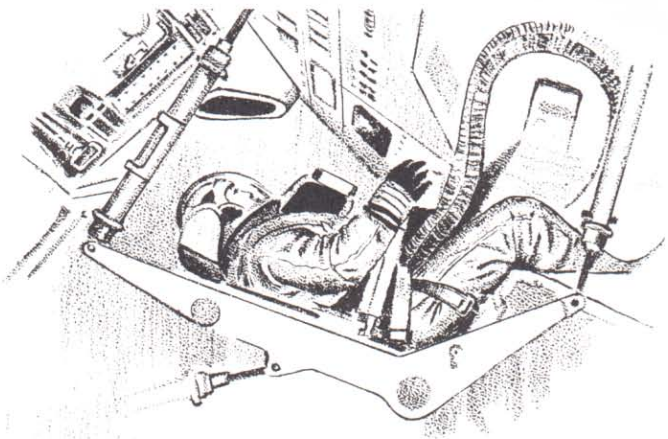
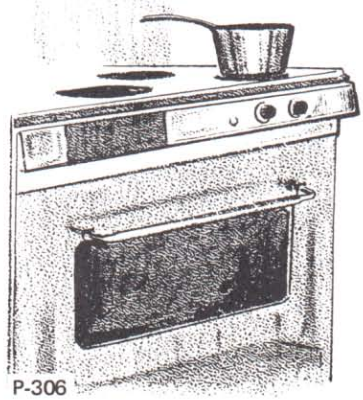
THE FULLY LOADED APOLLO SATURN V LUNAR VEHICLE STANDS 363 FEET TALL-- 60 FEET HIGHER THAN THE STATUE OF LIBERTY ON ITS PEDESTAL...



AND WEIGHS MORE THAN SIX MILLION POUNDS-- 13 TIMES MORE THAN THE FAMED FIGURE.

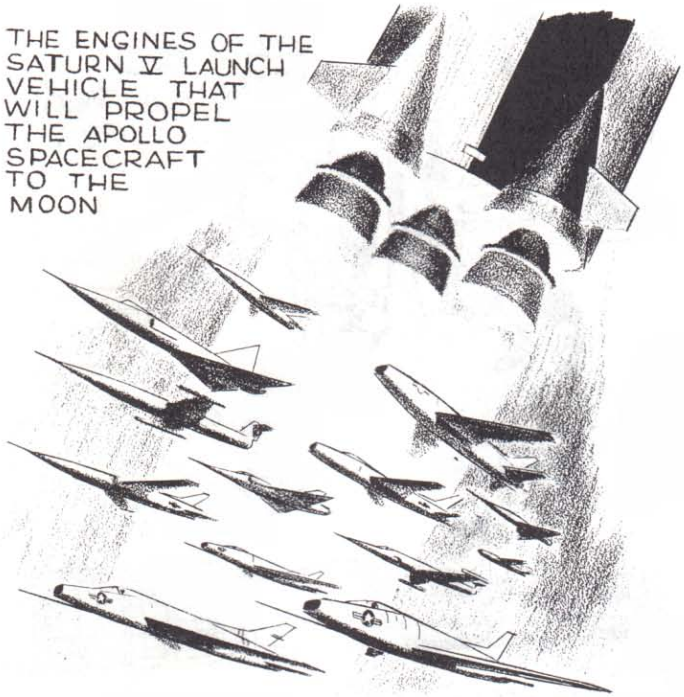
P-304





THE APOLLO SPACE-CRAFT COMMAND MODULE WHICH WILL CARRY U.S. ASTRO-NAUTS TO AND FROM THE MOON USES ONLY **2000 WATTS** OF ELECTRICITY, ABOUT THE SAME AS THAT REQUIRED BY THE OVEN IN AN ELECTRIC RANGE.

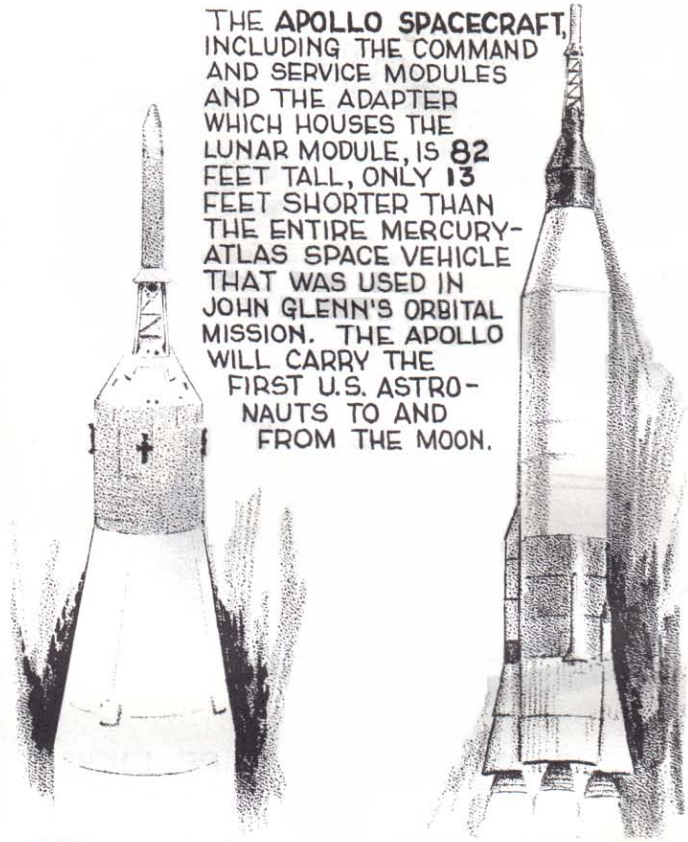
P-306



THE ENGINES OF THE SATURN V LAUNCH VEHICLE THAT WILL PROPEL THE APOLLO SPACECRAFT TO THE MOON

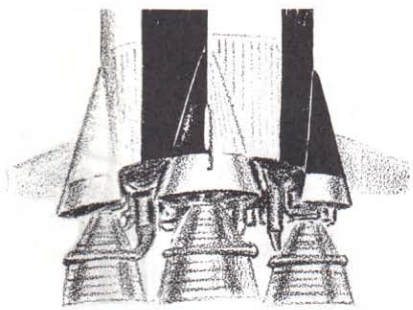
HAVE THE COMBINED HORSEPOWER EQUIVALENT TO APPROXIMATELY 500 JET FIGHTERS

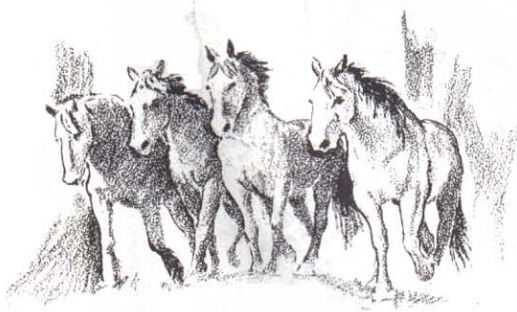
P-307



THE **APOLLO SPACECRAFT**, INCLUDING THE COMMAND AND SERVICE MODULES AND THE ADAPTER WHICH HOUSES THE LUNAR MODULE, IS **82** FEET TALL, ONLY **13** FEET SHORTER THAN THE ENTIRE MERCURY-ATLAS SPACE VEHICLE THAT WAS USED IN JOHN GLENN'S ORBITAL MISSION. THE APOLLO WILL CARRY THE FIRST U.S. ASTRONAUTS TO AND FROM THE MOON.

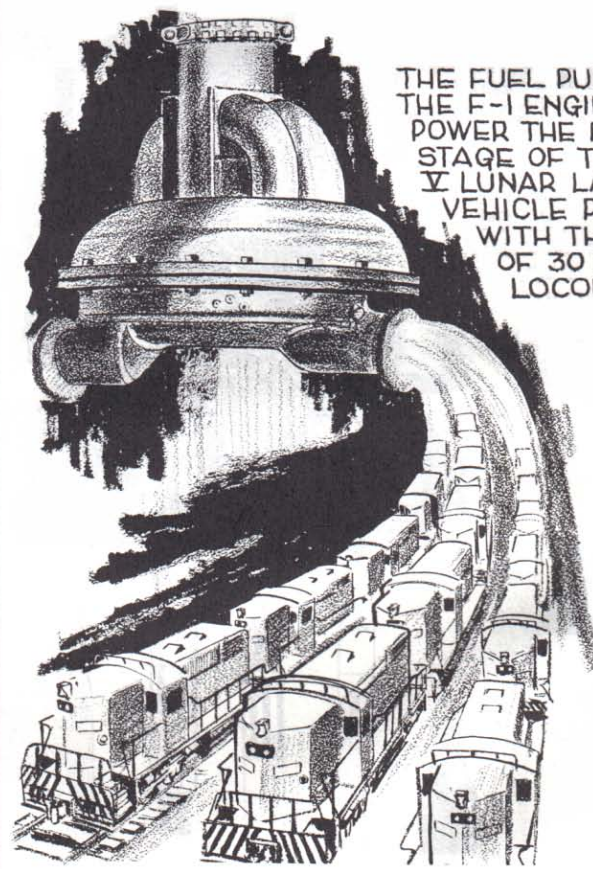
P-309





THE F-1 ENGINES THAT BOOST THE FIRST STAGE OF THE SATURN V LUNAR LAUNCH VEHICLE INTO SPACE GENERATE 160 MILLION HORSEPOWER, ABOUT DOUBLE THE AMOUNT OF POTENTIAL HYDROELECTRIC POWER THAT WOULD BE AVAIL-^BLE AT ANY GIVEN MOMENT IF ALL THE MOV-G WATERS OF NORTH AMERICA WERE HANNELED THROUGH TURBINES.

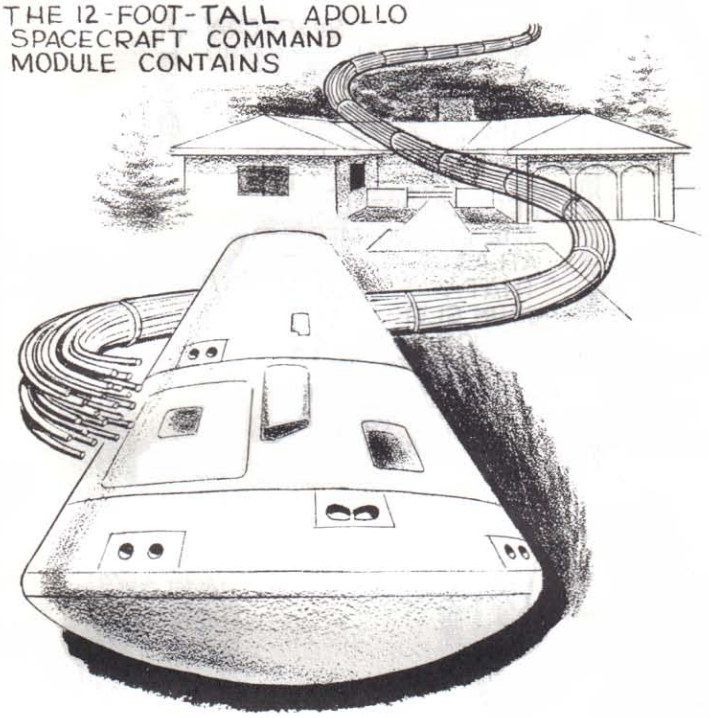
P-308



THE FUEL PUMPS OF THE F-1 ENGINES THAT POWER THE FIRST STAGE OF THE SATURN V LUNAR LAUNCH VEHICLE PUSH FUEL WITH THE FORCE OF 30 DIESEL LOCOMOTIVES.

P-310

THE 12-FOOT-TALL APOLLO SPACECRAFT COMMAND MODULE CONTAINS



ALMOST 15 MILES OF WIRE, ENOUGH TO WIRE 50 TWO-BEDROOM HOMES

P-311

AT ITS PEAK, MORE THAN 20,000 INDUSTRIAL FIRMS, EMPLOYING MORE THAN 350,000 PERSONS, WERE PRODUCING EQUIPMENT FOR THE U.S. APOLLO/SATURN SPACE PROGRAM UNDER CONTRACTS WITH THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.

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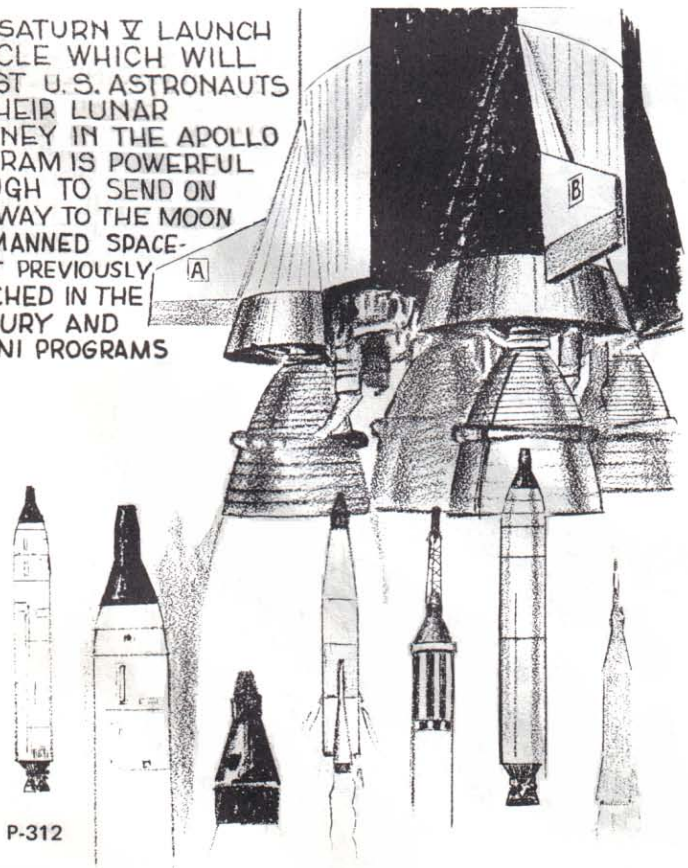
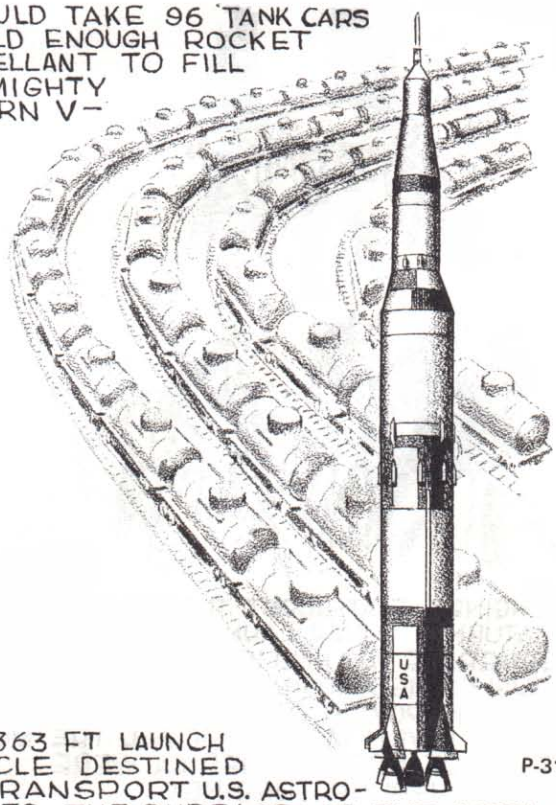
THE SATURN V LAUNCH VEHICLE WHICH WILL BOOST U.S. ASTRONAUTS ON THEIR LUNAR JOURNEY IN THE APOLLO PROGRAM IS POWERFUL ENOUGH TO SEND ON THE WAY TO THE MOON ALL MANNED SPACECRAFT PREVIOUSLY LAUNCHED IN THE MERCURY AND GEMINI PROGRAMS



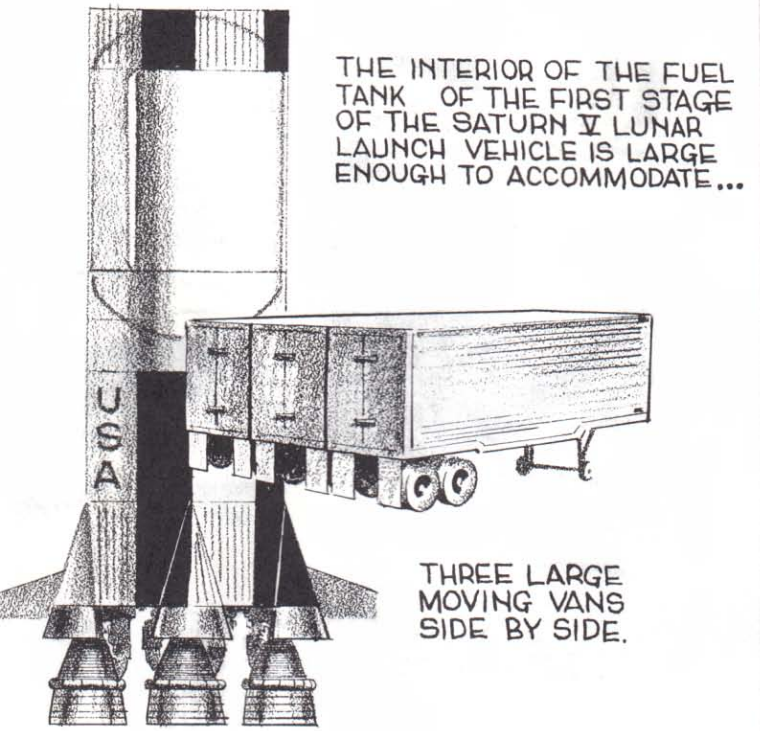
P-312

IT WOULD TAKE 96 TANK CARS TO HOLD ENOUGH ROCKET PROPELLANT TO FILL THE MIGHTY SATURN V—



THE 363 FT LAUNCH VEHICLE DESTINED TO TRANSPORT U.S. ASTRONAUTS TO THE SURFACE OF THE MOON

P-314

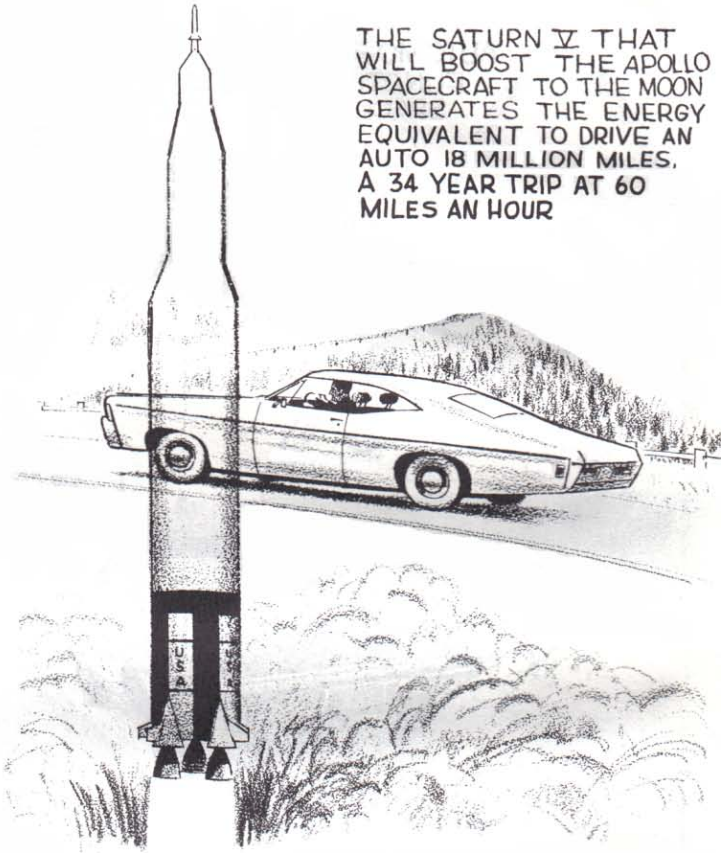


THE INTERIOR OF THE FUEL TANK OF THE FIRST STAGE OF THE SATURN V LUNAR LAUNCH VEHICLE IS LARGE ENOUGH TO ACCOMMODATE...

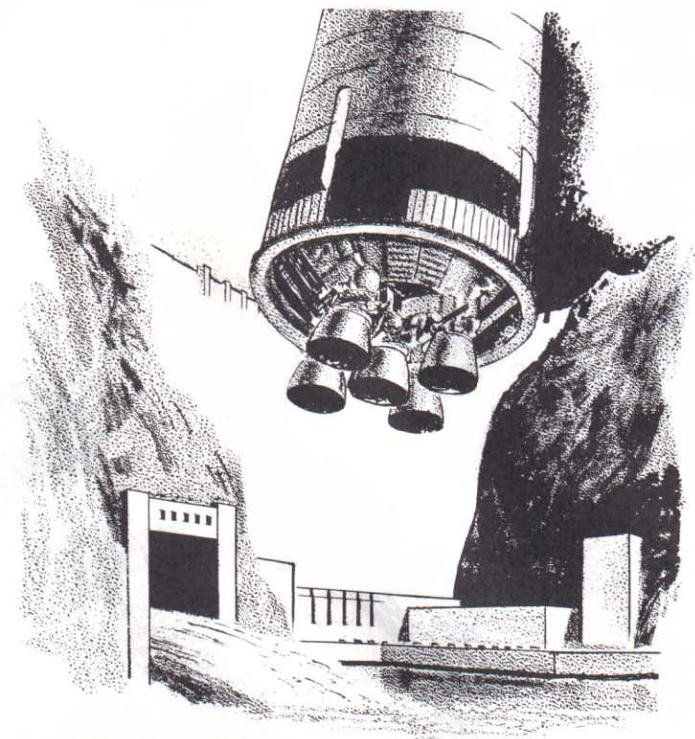
THREE LARGE MOVING VANS SIDE BY SIDE.

P-315

THE SATURN V THAT WILL BOOST THE APOLLO SPACECRAFT TO THE MOON GENERATES THE ENERGY EQUIVALENT TO DRIVE AN AUTO 18 MILLION MILES, A 34 YEAR TRIP AT 60 MILES AN HOUR

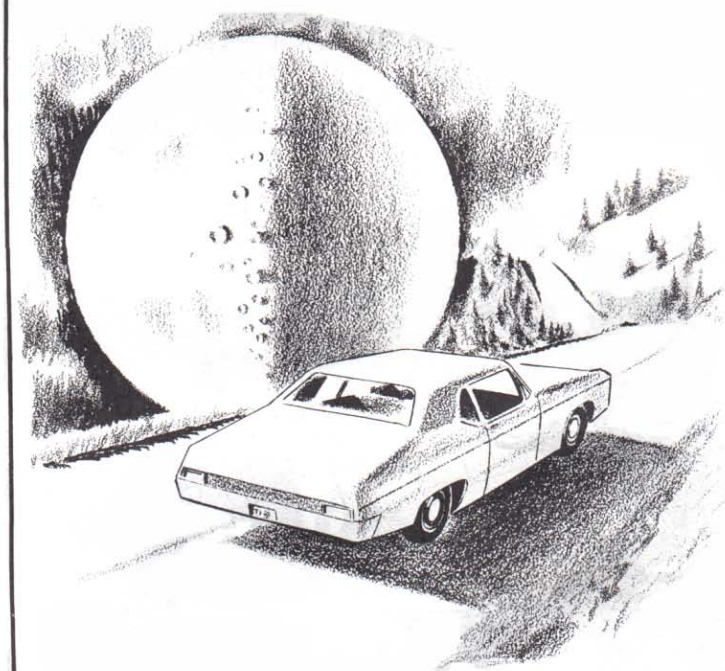


P-317



THE FIVE 225,000-POUND THRUST J-2 ENGINES THAT POWER THE SECOND STAGE OF THE SATURN V LUNAR LAUNCH VEHICLE GENERATE THRUST EQUAL TO ABOUT 95.4 BILLION WATTS, OR THE POWER OF 72 HOOVER DAMS.

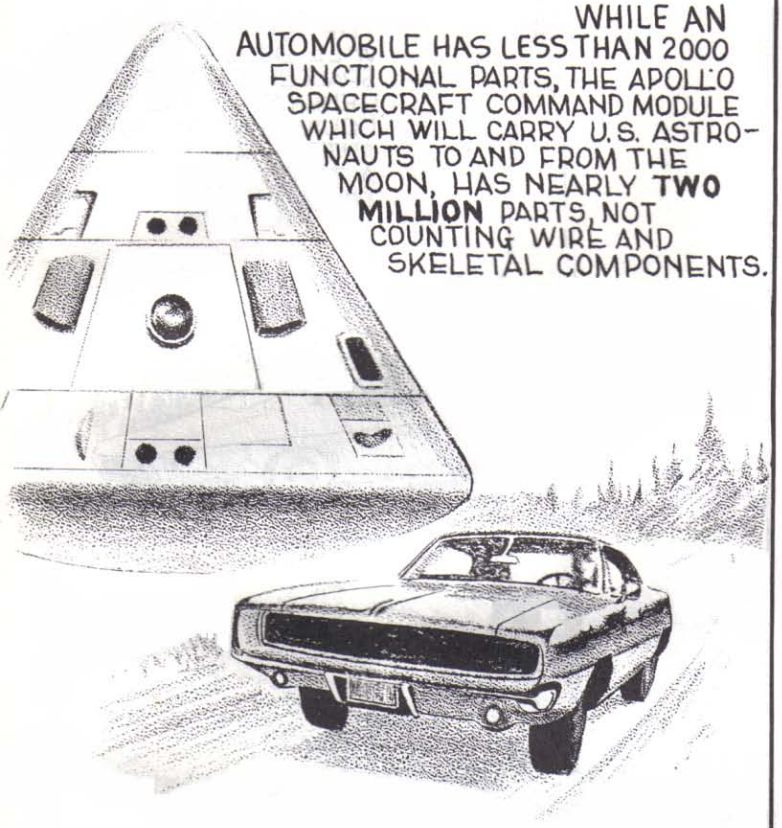
P-316



IF YOUR CAR GETS 15 MILES TO A GALLON, YOU COULD DRIVE 10 MILLION MILES OR AROUND THE WORLD ABOUT 400 TIMES ON THE PROPELLANTS REQUIRED FOR THE APOLLO/SATURN LUNAR LANDING MISSION

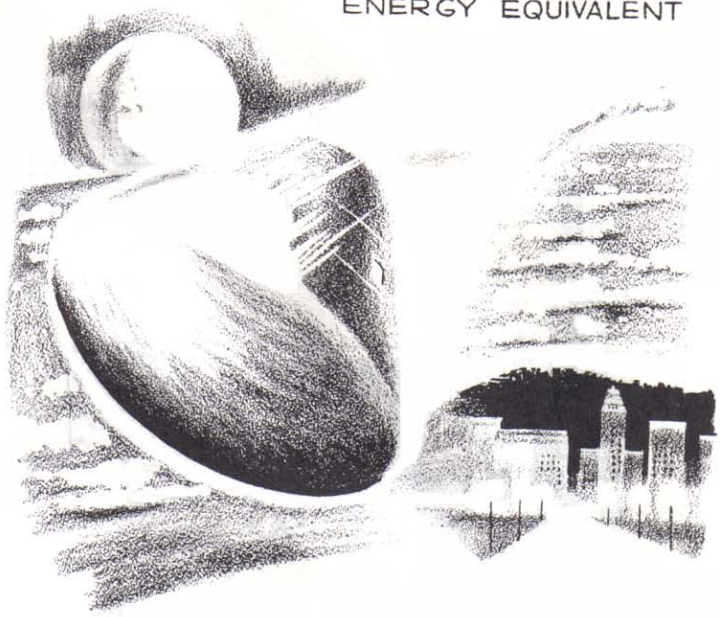
P-318

WHILE AN AUTOMOBILE HAS LESS THAN 2000 FUNCTIONAL PARTS, THE APOLLO SPACECRAFT COMMAND MODULE WHICH WILL CARRY U.S. ASTRONAUTS TO AND FROM THE MOON, HAS NEARLY **TWO MILLION** PARTS, NOT COUNTING WIRE AND SKELETAL COMPONENTS.



P-319

WHEN THE APOLLO REENTERS THE ATMOSPHERE, IT WILL DISSIPATE ENERGY EQUIVALENT



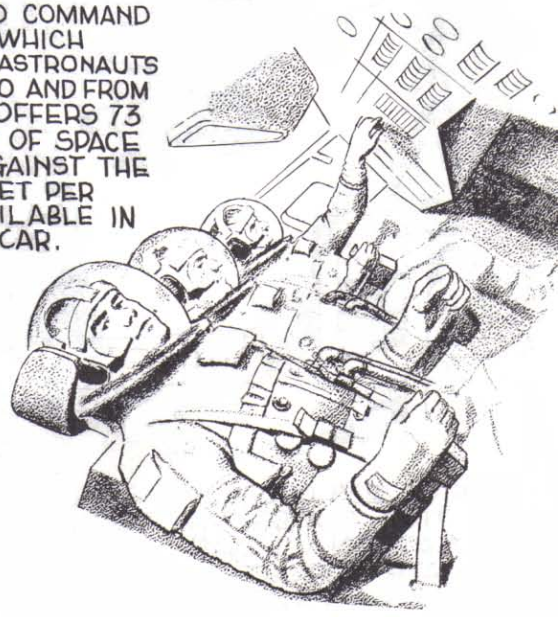
TO APPROXIMATELY 86,000 KILOWATT HOURS OF ELECTRICITY, ENOUGH TO LIGHT THE CITY OF LOS ANGELES FOR ABOUT 104 SECONDS

P-321

THE TANKS THAT HOLD THE SUPER-COLD FUEL IN THE APOLLO SPACECRAFT SERVICE MODULE ARE SO WELL INSULATED THAT ICE CUBES PLACED INSIDE THE TANKS WOULD TAKE EIGHT AND ONE-HALF YEARS TO MELT.

P-320

THE APOLLO COMMAND MODULE IN WHICH THREE U.S. ASTRONAUTS WILL RIDE TO AND FROM THE MOON, OFFERS 73 CUBIC FEET OF SPACE PER MAN AGAINST THE 68 CUBIC FEET PER PERSON AVAILABLE IN A COMPACT CAR.



P-322