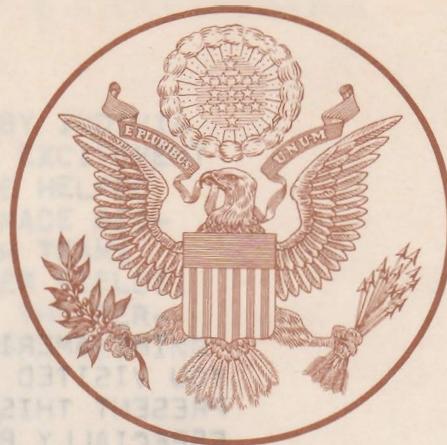


CHALLENGE TO GREATNESS



UNITED STATES PAVILION LIBRARY/U.S.A.

Dedicated to the American spirit, the United States Pavilion at the 1964-65 New York World's Fair presents "Challenge to Greatness," an exhibition based on America's quest for equality in freedom at home and peace in the world. Here we define challenges to freedom: **Democracy, equal rights, learning, growth, social concern, creativity, and discovery.** We also define challenges to peace: **The free world, the population explosion, developing nations, arms control, our world community, and space.**

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BARACH, ARNOLD
 1975: AND THE CHANGES TO COME
 HARPER 1962

BASED ON TODAY'S SCIENTIFIC RESEARCH AND DEVELOPMENT IN TECHNOLOGY, THIS LOOK AT THE FUTURE PRESENTS THE POSSIBLE IN TERMS OF PROBABLE ACHIEVEMENT. PUSH BUTTON HOUSES, SPACE TRAVEL, COMMUNICATIONS, HYDROFOIL SHIPS AND ELECTRONIC HIGHWAYS, TRANSLATING MACHINES AND PROJECTS TO MEET THE POPULATION GROWTH ARE ONLY SOME OF THE CHANGES WE WILL BE ENJOYING. READABLE YET TECHNICAL INFORMATION FOR OUR WORLD OF TOMORROW.

CLARKE, ARTHUR C.
 PROFILES OF THE FUTURE: AN INQUIRY INTO THE
 LIMITS OF THE POSSIBLE
 HARPER 1962

WITH HISTORICAL REFERENCES TO DISCOVERIES OF THE PAST THE AUTHOR APPROACHES THE POTENTIAL OF ENERGY, SPEED AND ECONOMICS. FOOD AND MATERIALS FROM YET UNTAPPED SOURCES, INSTANTANEOUS TRANSPORTATION FOR THOSE WHO WILL FIND MECHANICAL HIGHWAYS TOO SLOW, A HARNESSING OF THE FOURTH DIMENSION AND THE INCREASED USE OF MACHINES WILL BRING MAN PROGRESS AND PROBLEMS. EQUALLY CHALLENGING WILL BE THE STATE OF HUMAN THOUGHT AS VIEWED IN THE LIGHT OF THIS FUTURE.

LIBRARY U.S.A.
FROMAN, ROBERT
WANTED: AMATEUR SCIENTISTS
MCKAY 1963

CONTRIBUTIONS TO SCIENCE CAN BE MADE BY INDIVIDUALS WHO ARE CURIOUS ENOUGH TO PURSUE THE EXCITEMENT OF RESEARCH AS PRESENTED HERE. LAYMEN HAVE HELPED METEOROLOGISTS, HIGH SCHOOL STUDENTS HAVE MADE GEOLOGICAL DISCOVERIES AND WORKED ON MOONWATCH TEAMS WHILE OTHERS HAVE PURSUED INTERESTS IN OTHER FIELDS. MANY PROBLEMS STILL REMAIN TO BE SOLVED BY THE PERSISTENT AMATEUR WHO WILL FIND THE CHAPTER ON 'GETTING STARTED' GEARED TO HIS INTEREST.

PLATT, JOHN R.
THE EXCITEMENT OF SCIENCE
HOUGHTON 1962

THIS COLLECTION OF STIMULATING ESSAYS EXAMINES THE RELATIONSHIP BETWEEN SCIENCE, TECHNOLOGY AND MAN WITH EMPHASIS ON THE SCIENTIST, THE METHODS OF SCIENCE, NECESSITY FOR CREATIVITY, THE FIFTH NEED FOR 'NOVELTY' IN THE SEARCH FOR NEW EXPERIENCES, THE ART OF CREATIVE THINKING AND A CONSIDERATION OF SOCIAL VALUES IN THE SCIENTIST'S WORLD PRESENT A CHALLENGE TO THE READER WHO IS LOOKING FOR A NEW LOOK AT SCIENTIFIC DISCOVERY.

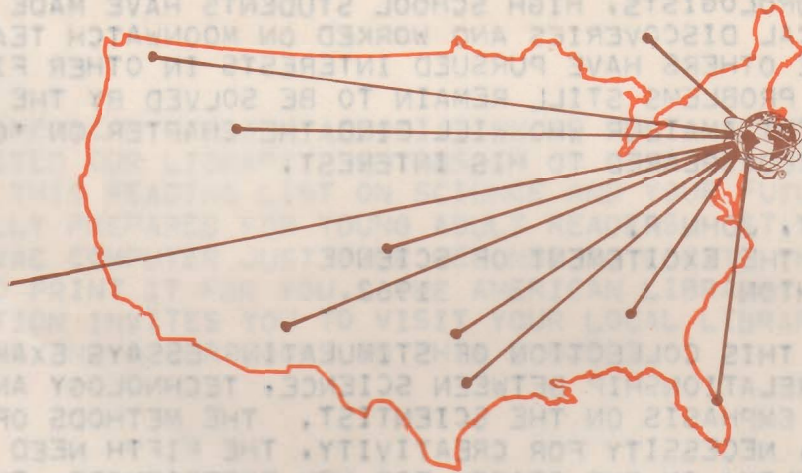
ZAREM, LEWIS
CAREERS AND OPPORTUNITIES IN ASTRONAUTICS
DUTTON 1962

A RELATIVELY NEW AND UNEXPLORED FIELD WILL REQUIRE A SOUND BACKGROUND IN ENGINEERING AND A KNOWLEDGE OF THE PAST ACCORDING TO THIS INTRODUCTORY BOOK. WHILE THE FIRST HALF PRESENTS A SHORT HISTORY OF SPACE FLIGHT, THE REMAINDER OF THE BOOK DESCRIBES THE MANY KINDS OF CAREERS THAT WILL BE OPEN TO THE QUALIFIED YOUNG PERSON WHO IS INTERESTED IN BIOASTRONAUTICS, CRYOGENICS, MICROELECTRONICS OR OTHER PHASES OF SPACE TECHNOLOGY.

THIS READING LIST WAS PREPARED BY THE STAFF OF THE WESTCHESTER (NY) LIBRARY SYSTEM IN COOPERATION WITH THE ADULT SERVICES DIVISION OF THE AMERICAN LIBRARY ASSOCIATION.

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