

Intellectual Revolution

(Activity 3)

NICOLAUS COPERNICUS WAS A POLISH CLERGYMAN; HE WAS KNOWN AS THE FATHER OF MODERN ASTRONOMY. HE WAS THE FIRST MODERN EUROPEAN SCIENTIST TO PROPOSE THAT EARTH AND OTHER PLANETS REVOLVE AROUND THE SUN, OR THE HELIOCENTRIC THEORY OF THE UNIVERSE.

FORMULATED THE THEORY SEVERAL DECADES EARLIER, HIS IDEAS WERE NOT IMMEDIATELY ACCEPTED.

CHARLES DARWIN WAS AN ENGLISH NATURALIST, GEOLOGIST AND BIOLOGIST, BEST KNOWN FOR HIS CONTRIBUTIONS TO THE SCIENCE OF EVOLUTION. HIS PROPOSITION THAT ALL SPECIES OF LIFE HAVE DESCENDED OVER TIME FROM COMMON ANCESTORS IS NOW WIDELY ACCEPTED, AND CONSIDERED A FOUNDATIONAL CONCEPT IN SCIENCE.

HE PUBLISHED ON THE ORIGIN OF SPECIES BY MEANS OF NATURAL SELECTION (DESCENDANTS OF THE EARLIEST ORGANISMS SPREAD INTO VARIOUS HABITATS OVER MILLIONS OF YEARS; THEY ACCUMULATED DIVERSE MODIFICATIONS OR ADAPTATIONS THAT ACCOMMODATED THEM TO DIVERSE WAYS OF LIFE), PRESENTING A STRONG, LOGICAL EXPLANATION OF DESCENT WITH MODIFICATION, EVOLUTION BY THE MECHANISM OF NATURAL SELECTION

SIGMUND FREUD WAS AN AUSTRIAN NEUROLOGIST AND THE FOUNDER OF PSYCHOANALYSIS, A CLINICAL METHOD FOR TREATING PSYCHOPATHOLOGY THROUGH DIALOGUE BETWEEN A PATIENT AND A PSYCHOANALYST. ACCORDING TO FREUD, PERSONALITY DEVELOPS DURING CHILDHOOD AND IS CRITICALLY SHAPED THROUGH A SERIES OF FIVE PSYCHOSEXUAL STAGES, WHICH HE CALLED HIS PSYCHOSEXUAL THEORY OF DEVELOPMENT.

DURING EACH STAGE, A CHILD IS PRESENTED WITH A CONFLICT BETWEEN BIOLOGICAL DRIVES AND SOCIAL EXPECTATIONS; SUCCESSFUL NAVIGATION OF THESE INTERNAL CONFLICTS WILL LEAD TO MASTERY OF EACH DEVELOPMENTAL STAGE, AND ULTIMATELY TO A FULLY MATURE PERSONALITY

= IT CHANGED THE ROLE OF ASTRONOMY IN SOCIETY. A LOT OF THE RESISTANCE TO COPERNICUS' THEORY CAME NOT ONLY FROM WITHIN THE SCIENTIFIC COMMUNITY BUT ALSO A RESULT OF THE SOCIAL IMPLICATIONS OF A HELIOCENTRIC UNIVERSE.

= BECAUSE HE FIRST MADE PEOPLE AWARE OF THEIR PLACE IN THE EVOLUTIONARY PROCESS WHEN THE MOST POWERFUL AND INTELLIGENT FORM OF LIFE DISCOVERED HOW HUMANITY HAD EVOLVED.

= EACH STAGE OF A CHILD'S DEVELOPMENT BEGINNING AT BIRTH IS DIRECTLY RELATED TO SPECIFIC NEEDS AND DEMANDS, EACH BASED ON A PARTICULAR BODY PART AND ALL ROOTED IN A SEXUAL BASE. FREUD OFFERED DYNAMIC AND PSYCHOSOCIAL EXPLANATIONS FOR HUMAN BEHAVIOR

Different contributions but it gave us a huge impact because some of the people that try to discover new things or need scientific explanation their contributions would be a huge help for them.