

WHAT IS THIS EQUIPEMENT?

IT IS OUR EQUIPMENT FOR X-RAYS RADIOGRAPHY ...

X-RAYS RADIOGRAPHY? HOW DOES IT WORK?



THE PRINCIPLE IS QUITE SIMPLE. THE OBJECT IS PLACED BETWEEN AN X-SOURCE AND A SENSOR. THE ENERGY OF THE X-RAYS ALLOWS THE BEAM TO GO THROUGH THE MATERIALS AND DISTINGUISH THEM FONCTION OF THEIR DENSITY AND THICKNESS...

X-RAYS ? ISN'T IT DANGEROUS?



NOT IF WE RESPECT SOME RULES! SAFE DISTANCE, MARKING THE AREA FOR ANALYSIS, THE USE OF A LEAD SAFE TO BLOCK THE RADIATION LEAK ...

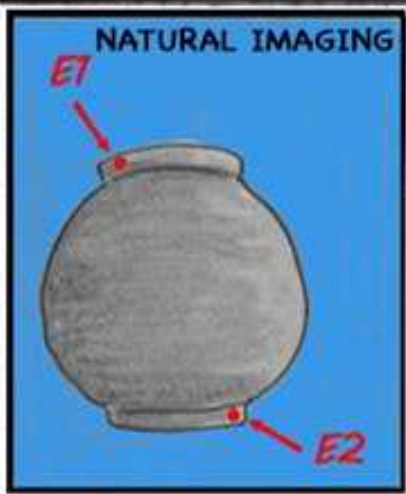
FURTHERMORE, OUR TEAM IS FORMED TO RECEIVE CLEARANCE IN ORDER TO USE THIS EQUIPMENT ...

COFFRE EN PLOMB

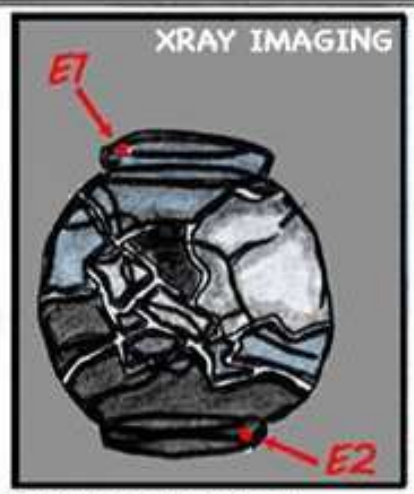


DANGER AREA





IF WE PERFORM A RADIOGRAPHY OF THE CERAM, WE CAN SEE THAT IT IS COMPOSED OF SEVERAL FRAGMENTS OF DIFFERENT DENSITIES AND TEXTURE...

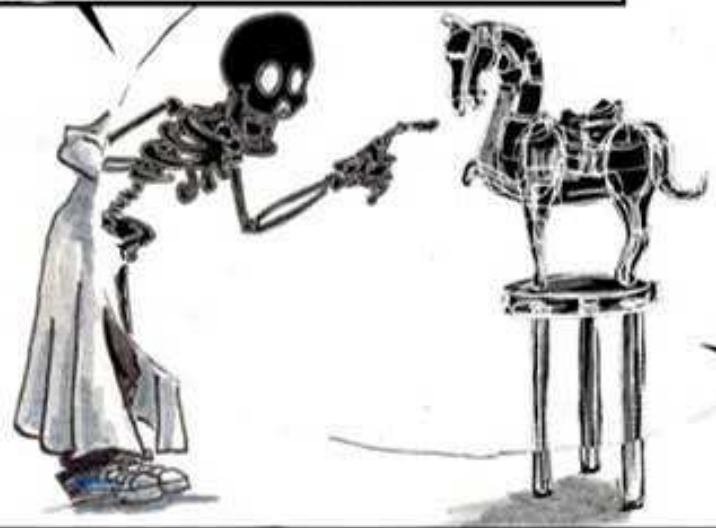


TAKING THIS CERAMIC AS AN EXAMPLE, THE ANALYSIS OF THE TWO SAMPLE USING TL GAVE US TWO DIFFERENT ANTIQUITIES...

THE TWO SAMPLES ANALYZED USING TL COME FROM DIFFERENT MATERIALS, WHICH EXPLAINS WHY THEY DO NOT PRESENT THE SAME ANTIQUITY...



IN THE CASE OF A SCULPTURE, THE RADIOGRAPHY ALLOWS US TO SEE HOW IT WAS BUILT ...

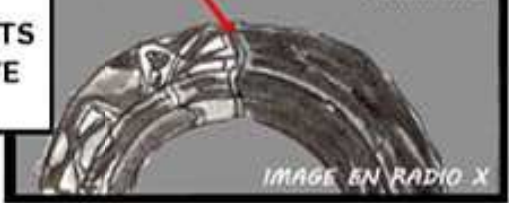


... IF IT HAS A FRAME OR STRUCTURE...

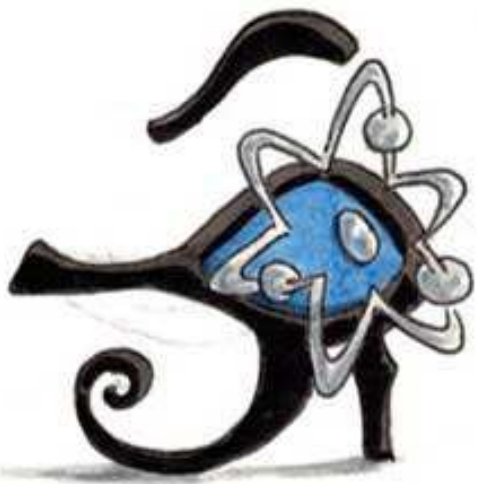


USING RADIOGRAPHY, WE SEE IT AS HETEROGENEOUS: TWO DIFFERENT PARTIES, ONE SEEMS RESULT FROM SEVERAL FRAGMENTS

...IF IT WAS RESTAURED, ITS CONSERVATIVE STATE...



X-RAYS RADIOGRAPHY IS A COMPLEMENTARY TECHNIQUE TO THE "CLASSICAL" APPROACHES FOR THE STUDY OF OBJECTS OF ART...



THE OBSERVATION OF THE INTERNAL STRUCTURE OF AN OBJECT LEADS TO A BETTER UNDERSTANDING OF ITS FRABICATION, ITS STATE, AND TO RECOGNIZE FORGERIES...

