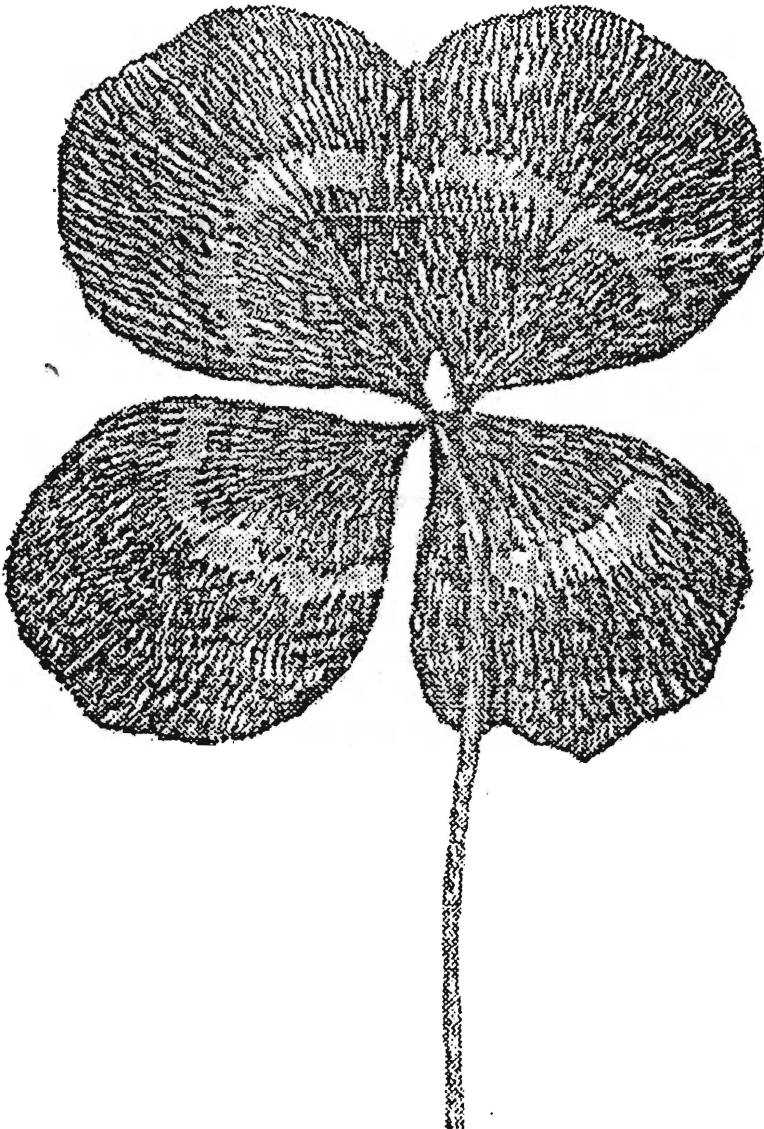




INTERNATIONAL ASSOCIATION FOR VEGETATION SCIENCE (IAVS)
ASSOCIATION INTERNATIONALE POUR L'ETUDE DE LA VEGETATION (AIEV)
INTERNATIONALE VEREINIGUNG FUR VEGETATIONSKUNDE (IVV)

31 INTERNATIONAL SYMPOSIUM

SPONTANEOUS VEGETATION IN SETTLEMENTS



Frascati, April 11-15, 1988

POLLEN ANALYTICAL EVIDENCE FOR HUMAN SETTLEMENT IN THE SUBATLANTIC
POLLEN DIAGRAM FROM S. DOMENICO MONASTERY (BOLOGNA-ITALY)

C.A. Accorsi (Istituto ed Orto Botanico, Università Modena, Via Caduti in Guerra 127, Modena, Italia)

M. Bandini Mazzanti e L. Forlani (Dipartimento di Biologia evolutivista sperimentale, Università Bologna, Via Irnerio 42, Bologna, Italia)

Pollen analysis is one of the primary sources of evidence about the changes wrought by man on the plant cover in the past. By taking into consideration particularly pollen records of certain groups of plants such as cereals, weeds and ruderals, the so called "anthropogenic indicators", it is possible to read in the pollen diagrams the evidence of the role played by man in bringing about changes in the vegetations. In the archaeologically interesting site of the ancient S. Domenico Monastery (Bologna; Emilia-Romagna) two sequences were sampled for pollen analysis: "Cistern Cloister" and "ZZI Section-12 Sector". Moss samples provide a pollen picture about the present-day vegetation. According to pollen analytical and archaeological data, the time covered by the uppermost level of the first sequence, and by the whole of the second one, can be attributed to the Subatlantic period. In the pollen diagrams, the movement of the anthropogenic indicator curve (pollen records indicating fallow land, footpath and ruderal communities, pastures), in connection with the movement of the arboreal pollen curve shows evidence of human settlements with arable and pastoral farming, and changes in settlement location and characteristics.

DIF RUDEPALISIERUNG DER SUMPGESELLSCHAFTEN BEI BALATON

Karnati I. - Agrarwissenschaftliche Univ., Lehrstuhl für Botanik, Deak F. u. 16, H 8360 Keszthely