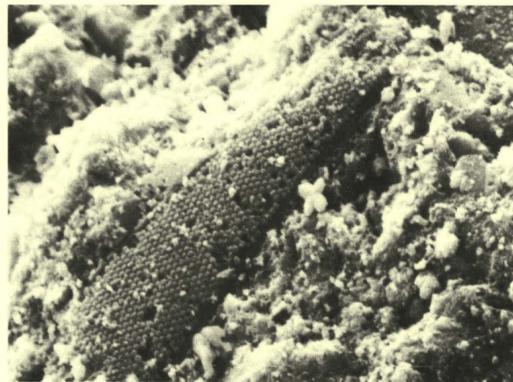


10 microns

A

CARBONATE FLUORAPATITE CRYSTALS IN PORES OF A DIATOM FRUSTULE, FROM TRENCH 100, STRATIGRAPHIC UNIT 57



9 microns

B

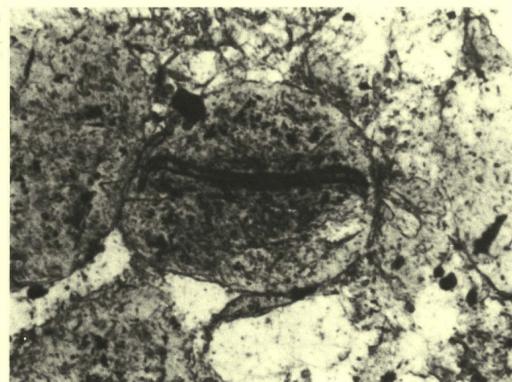
CARBONATE FLUORAPATITE CRYSTALS PRECIPITATED ON A DIATOM FRUSTULE, FROM TRENCH 100, STRATIGRAPHIC UNIT 28



30 microns

C

PHOSPHATIZED DIATOM FRUSTULE OF THE GENUS *COSCINODISCUS*, FROM TRENCH 100, STRATIGRAPHIC UNIT 12



0.07 mm

D

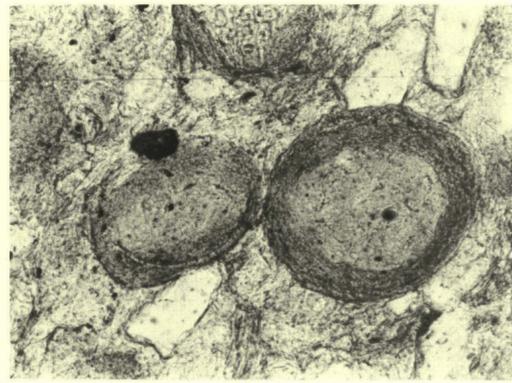
PHOSPHATIC PELLETT WITH DIATOM FRUSTULE INCLUSION, FROM TRENCH 294, STRATIGRAPHIC UNIT 118



0.44 mm

E

FISH VERTEBRA, FROM TRENCH 300, STRATIGRAPHIC UNIT 64



0.07 mm

F

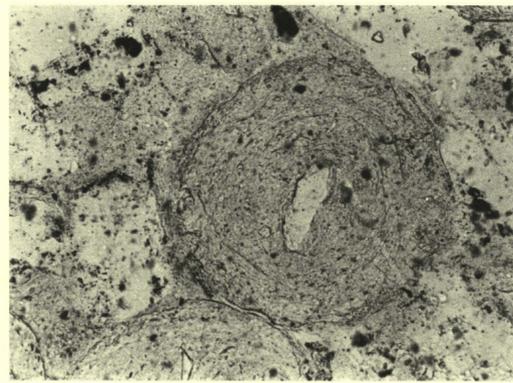
STRUCTURELESS PHOSPHATIC PELLETS WITH AN OUTER CONCENTRIC BAND OF PHOSPHATIC MATERIAL OF LOWER TRANSPARENCY, FROM TRENCH 300, STRATIGRAPHIC UNIT 64



0.06 mm

G

PHOSPHATIC PELLETT WITH CENTERED CLASTIC INCLUSION SHOWING MULTIPLE STAGES OF PHOSPHATIZATION, FROM TRENCH 300, STRATIGRAPHIC UNIT 64



0.09 mm

H

PHOSPHATIC OOLITH, FROM TRENCH 297, STRATIGRAPHIC UNIT 35



0.07 mm

I

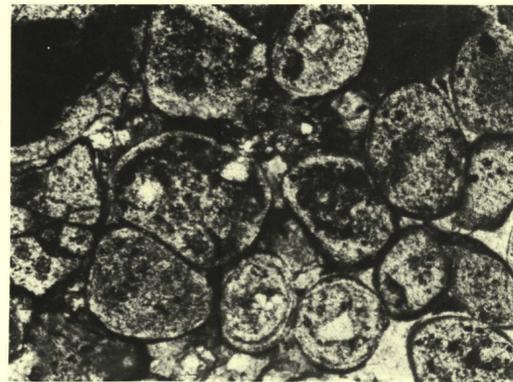
COMPOUND PHOSPHATIC PELLETT SHOWING MULTIPLE-COLORED BANDS OF APATITE, SUGGESTING MULTIPLE STAGES OF DEVELOPMENT, FROM TRENCH 300, STRATIGRAPHIC UNIT 64



0.07 mm

J

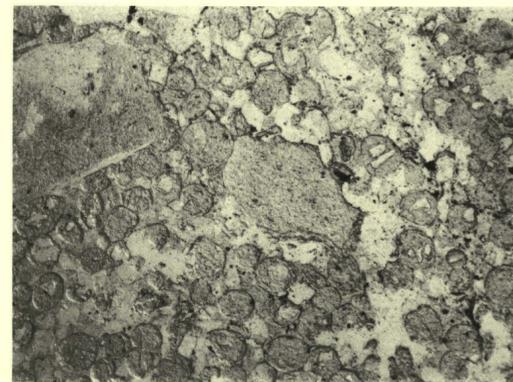
PHOSPHATIC PELLETT WITH TWO CONCENTRIC FERRUGINOUS BANDS, FROM TRENCH 300, STRATIGRAPHIC UNIT 14



0.22 mm

K

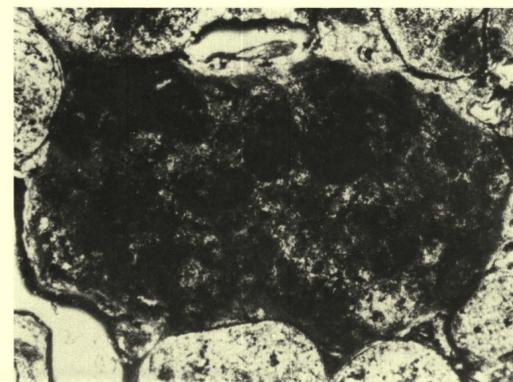
COMPRESSED COMPOUND PELLETS, FROM TRENCH 300, STRATIGRAPHIC UNIT 14



0.60 mm

L

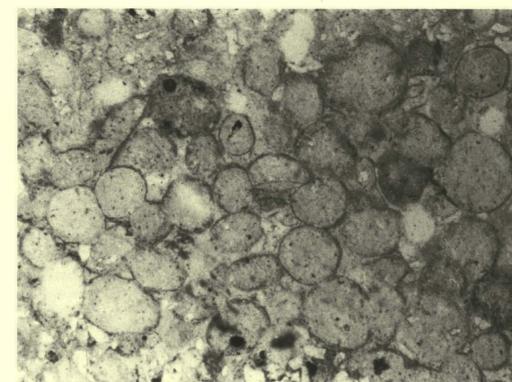
PHOSPHATIC MUDSTONE INTRACLAST, FROM TRENCH 297, STRATIGRAPHIC UNIT 35



0.18 mm

M

PHOSPHATIC GRAPESTONE INTRACLAST, FROM TRENCH 300, STRATIGRAPHIC UNIT 14



0.30 mm

N

WELL-SORTED PHOSPHATIC PELLETS IN A PHOSPHORITE, FROM TRENCH 297, STRATIGRAPHIC UNIT 48

PRIMARY AND SECONDARY FEATURES OF THE PHOSPHATIC COMPONENTS IN THE UPPER PHOSPHATIC MUDSTONE MEMBER OF THE SANTA MARGARITA FORMATION, CUYAMA VALLEY PHOSPHATE AREA, SANTA BARBARA COUNTY, CALIFORNIA