GEORGIA INSTITUTE OF TECHNOLOGY

OFFICE OF RESEARCH ADMINISTRATION

RESEARCH PROJECT TERMINATION

Date: April 21, 1975

Project Title: Diagenetic Formation of Clay Material

Project No: G-35-601 (Formerly B-404)

Principal Investigator: Dr. C. E. Weaver

Sponsor: National Science Foundation

Effective Termination Date: 9/30/73 (Grant Expiration)

Clearance of Accounting Charges: N/A - account closed

Grant/Contract Closeout Actions Remaining: Send NSF copies of final reprint when published.*

*Final Letter Report submitted 4/2/75.

Assigned to School of ~~Geophysical Sciences~~

COPIES TO:

Principal Investigator	Library, Technical Reports Section
School Director	Computer Sciences
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:A-4 (5/70)

G-33-601

Final

GEORGIA INSTITUTE OF TECHNOLOGY
SCHOOL OF GEOPHYSICAL SCIENCES

Atlanta, Georgia 30332
(404) 894-2857

April 2, 1975

#351 2nd

Dr. Bevan M. French
Program Director, Goechemistry Program
Earth Sciences Section, DES
National Science Foundation
Washington, D.C. 20550

Subject: Grant No. GA-1330

Dear Dr. French:

The Final Report will be a reprint, "Mineral Diagenesis in the Miocene of Southeastern United States." This paper will be over 200 pages long and will be published as a special issue of Sedimentary Geology. We plan to complete the final draft in the next few months.

The following list includes papers already published:

Weaver, C. E. (1968) Relation of Composition to Structure of the Dioctahedral 2:1 Clay Minerals, Clays and Clay Min., Vol. 16, pp. 51-61.

Weaver, C. E. (1968) Mineral Facies in the Tertiary of the Continental Shelf and Blake Plateau, Southeastern Geol., Vol. 9, pp. 57-63.

Weaver, C. E. (1967) Origin of Miocene Clays of S. E. United States, In Geol. Soc. Am. S. E. Sec. Guide Book.

Abdul-Latif, Numan and Weaver, C. E. (1969) Kinetics of Acid-Dissolution of Attapulgite and Sepiolite, Clays and Clay Min., Vol. 17, pp. 169-178.

Weaver, C. E. and Beck, K. C. (1969) Changes in the Clay-Water System with Depth, Temperature, and Time. Georgia Inst. Tech. Rept., WRC-0769, 95p.

Weaver, C. E. and Wampler, J. M. (1970) Potassium, Argon, Illite, Burial. Geol. Soc. Am. Bull., Vol. 81, 3423-3420.

Weaver, C. E. and Beck, K. C. (1970) Clay-Water Diagenesis During Burial or How Mud Becomes Gneiss. Geol. Soc. Am. Special Paper #134.

Weaver, C. E. and Wampler, J. M. (1971) The Illite - Phosphate Association. Geochimica et Cosmochimica Acta, Vol. 36, pp. 1-13.

Weaver, C. E. and Beck, K. C. (1971) Vertical Variability in the Attapulgite Mining Area. Proc. Seventh Forum on Industrial Geology. Fla. Dept. of Natural Res., Sp. Pub. 17, pp. 51-90.

Pollard, C. O., Jr. and Weaver, C. E. (1973) Opaline Spheres: Loosely-Packed Aggregates From Silica Nodule in Diatomaceous Miocene Fuller's Earth. Jour. of Sed. Petrology, Vol. 43, pp. 1072-1076.

Weaver, C. E. (1975) How Some Dolomite is Constructed, Geology, In Press.

Sincerely,

Charles E. Weaver, Director
School of Geophysical Sciences

CEW:bh
cc: Vice President for Research