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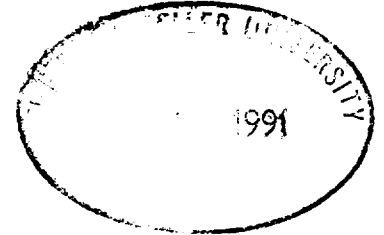
SANTA BARBARA • SANTA CRUZ

DEPARTMENT OF MATHEMATICS

DAVIS, CALIFORNIA 95616-8633

September 6, 1991

Dr. Joshua Lederberg
The Rockefeller University
1230 York Ave.
New York, NY 10021-6399



Dear Joshua:

Sorry it has been so long for my reply to your letters. I have been ill and sometimes even replying to letters seems to be more than I can handle.

I was glad to get your second letter pointing out the Hamiltonian circuit in the "Buckyball". I was going to point out that the pictures on the xerox copy you sent me about soccerang show a Hamiltonian circuit in the very same polytope.

You asked about other trivalent polyhedra with minimal face size 5. I have enclosed a photocopy of the cyclically 5-connected 3-polytopes with up to 32 vertices (they all have HC's).

Thanks for the article on "Buckyballs", this was new to me and it sounds very exciting.

I hope all is well with you.

Best regards,

David

David Barnette



DWB:cp

I am very sorry to learn of your illness. I hope you will be recovering soon.

The photocopy was not in the envelope. If it is following, ignore; else could you send it on?

*Best regards
John*