READINGS FOR EVERYONE

Ginsburg, R.N., 1991, Controversies about stromatolites: vices and virtues: *in* Müller, D.W., McKenzie, J.A., and Weissert, H., *eds*., Controversies in Modern Geology, Academic press Limited, London, p. 25-36.

Knoll, A.H., and Bauld, J., 1989, The evolution of ecological tolerance in prokaryotes: Transactions of the Royal Society of Edinburgh, v. 80, p. 209-223.

GROUP READINGS, STROMATOLITE DECLINE – GROUP 1 (STEVE AND JENNIE)

Awramik, S.M., 1971, Precambrian stromatolite diversity: reflection on metazoan appearance: Science, v. 174, p. 825-827.

Grotzinger, J.P., 1990, Geochemical model for Proterozoic stromatolite decline: American Journal of Science, v. 290-A, p. 80-103.

GROUP READINGS, CARBONATE-MICROBE INTERACTIONS – GROUP 2 (BRYAN AND ERIC)

Knoll, A.H., and Semikhatov, M.A., 1998b, The genesis and time distribution of two distinctive Proterozoic stromatolite microstructures: Palaios, v. 13, p. 408-422.

Knoll, A.H., Fairchild, I.J., and Swett, K., 1993, Calcified microbes in Neoproterozoic carbonates: implications for our understanding of the Proterozoic/Cambrian transition: Palaios, v. 8, p. 512-525.

GROUP READINGS, MICROBE-CARBONATE INTERACTIONS – GROUP 3 (NEIL AND LISA)

Sumner, D.Y., 1997, Late Archean calcite-microbe interactions: Two morphologically distinct microbial communities that affected calcite nucleation differently: Palaios, v. 12, p. 302-318.

Chafetz, H.S., and Buczynski, C., 1992, Bacterially induced lithification of microbial mats: Palaios, v. 7, p. 277-293.

BOOKS ABOUT STROMATOLITES AND MICROBIAL MATS

Cohen, Y., Castenholz, R.W., and Halvorson, H.O., *eds*., 1984, Microbial Mats: Stromatolites, MBL Lectures in Biology, Volume 3: New York, Alan R. Liss, Inc., p. 498.

Riding, R., 1991, Calcareous Algae and Stromatolites: Springer-Verlag, New York, 571 p.

Stal, L.J., and Caumetter, P., *eds*., Microbial Mats: Structure, Development, and Environmental Significance: Springer-Verlag, Berlin, NATO ASI Series, v. 35, 463 p.

Walter, M.R., *ed*., 1984, Stromatolites: Elsevier, Amsterdam, Developments in Sedimentology, v. 20, 790 p.

SOME CLASSIC STROMATOLITE PAPERS

Awramik, S.M., 1971, Precambrian stromatolite diversity: reflection on metazoan appearance: Science, v. 174, p. 825-827.

Cloud, P.E., and Semikhatov, M.A., 1969, Proterozoic stromatolite zonation: American Journal of Science, v. 267, p. 1017-1061.

Dill, R.F., Shinn, E.A., Jones, A.T., Kelly, K., and Steinen, R.P., 1986, Giant subtidal stromatolites forming in normal salinity waters: Nature, v. 324, p. 55-58.

Gebelein, C.D., 1974, Biologic control of stromatolite microstructure: implications for Precambrian time stratigraphy: American Journal of Science, v. 274, p. 575-598.

Hoffman, P., 1974, Shallow and deepwater stromatolites in Lower Proterozoic platform-to-basin facies change, Great Slave Lake, Canada: American Association of Petroleum Geologists Bulletin, v. 58, p. 856-867.

Hofmann, H.J., 1973, Stromatolite characteristics and utility: Earth Science Reviews, v. 9, p. 339-373.

Knoll, A.H., and Golubic, S., 1979, Anatomy and Taphonomy of a Precambrian algal stromatolite: Precambrian Research, v. 10, p. 115-151.

Krumbein, W.E., 1983, Stromatolites: the challenge of a term in space and time: Precambrian Research, v. 20, p. 493-531.

Logan, B.W., Rezak, R., Ginsburg, R.N., 1964, Classification and environmental significance of stromatolites: Journal of Geology, v. 72, p. 68-83.

Logan, B.W., Hoffman, P., and Gebelein, C.D., 1974, Algal mats, cryptalgal fabrics and structures, Hamelin Pool, Western Australia: AAPG Memoir, v. 22, p. 140-194.

Preiss, W.V., 1977, The biostratigraphic potential of Precambrian stromatolites: Precambrian Research, v. 5, p. 207-219.

Semikhatov, M.A., Gebelein, C.D., Cloud, P., Awramik, S.M., and Benmore, W.C., 1979, Stromatolite morphogenesis: progress and problems: Canadian Journal of Earth Sciences, v. 16, p. 992-1014.

Walter, M.R., and Heys, G.R., 1985, Links between the rise of the metazoa and the decline of stromatolites: Precambrian Research, v. 29, p. 149-174.

A FEW MORE…OF VARIOUS INTEREST

Awramik, S.M., and Vanyo, J.P., 1986, Heliotropism in modern stromatolites: Science, v. 231, p. 1279-1281.

Bertrand-Sarfati, J., and Moussine-Pouchkine, A., 1985, Evolutionary and environmental conditions of Conophyton-Jacutophyton associations in the Atar Dolomite (Upper Proterozoic, Mauritania): Precambrian Research, v. 29, p. 207-234.

Buick, R., Dunlop, S.R., and Groves, D.I., 1981, Stromatolite recognition in ancient rocks: an appraisal of irregularly laminated structures in an early chert-barite unit from North Pole, Western Australia: Alcheringa, v. 5, p. 161-181.

Kah, L.C., and Grotzinger, J.P., 1992, Early Proterozoic (1.9 Ga) thrombolites of the Rocknest Formation, Northwest Territories, Canada: Palaios, v. 7, p. 305-315.

Kah, L.C., and Knoll, A.H., 1996, Microbenthic distribution in Proterozoic tidal flats: Environmental and taphonomic considerations: Geology, v. 24, p. 79-82.

Knoll, A.H., 1989, The paleomicrobiological information in Proterozoic rocks, *in* Cohen, Y., and Rosenberg, E., *eds*., Microbial Mats: Physiological Ecology of Benthic Microbial Communities: Washington, D.C., ASM Press, p. 469-484.

Knoll, A.H., and Golubic, S., 1992, Proterozoic and living cyanobcteria, *in* Schidlowski, M., et al., ed., Early Organic Evolution: Implications for Mineral and Energy Resources: Heidelberg, Springer-Verlag, p. 450-462.

Pratt, B.R., 1982, Stromatolite decline -- a reconsideration: Geology, v. 10, p. 512-515.

Pratt, B.R., 1984, *Epiphyton* and *Renalcis* -- diagenetic microfossils from the calcification of coccoid blue-green algae: Journal of Sedimentary Petrology, v. 54, p. 948-971.