

Publications of Ralph A. Lewin
Compiled by M.A. Borowitzka – January 2009

(Note: this list is not exhaustive and excludes a large number of book reviews, letters and some other miscellaneous publications)

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CURRICULUM VITAE

EDUCATION: B.A., Downing College, Cambridge, England, 1942
M. A., Downing College, Cambridge, England, 1946
M.S., Yale University, New Haven, Conn., 1949
Ph.D., Yale University, New Haven, Conn., 1950
Sc.D., Downing College, Cambridge, England, 1973

HONORS AND AWARDS: Darbaker Prize in Phycology, 1958
President, Phycological Society of America, 1970

MAJOR RESEARCH

INTEREST: Experimental phycology; genetics of algae, applied phycology,
Chlamydomonas, Flexibacteria, Prochlorophytes.

PROFESSIONAL EXPERIENCE:

1967-Present	Professor (now emeritus) of Marine Biology, Scripps Institution of Oceanography, University of California, San Diego, La Jolla, California
1960-1967	Associate Professor, Scripps Institution of Oceanography, University of California, San Diego, La Jolla, California
1956-1959	Researcher (NIH grantee), Marine Biology Laboratory, Woods Hole, Massachusetts
1953-1955	Special Lecturer, Biology Department, Dalhousie University, Halifax, Nova Scotia, Canada
1952-1955	Asst. Research Officer, National Research Council, Maritime Regional Laboratory, Halifax, Nova Scotia, Canada
1950-1952	Special lecturer and Instructor, Botany Department, Yale University, New Haven, Connecticut

PROFESSIONAL ACTIVITIES:

- 1967 Organized and presented course in general microbiological methods; Tvarminne, Finland (Nordic Council and UNESCO)
- 1973 Organized course similar to above, for tropical marine waters; Singapore (UNESCO)
- 1976 Senior Visiting Fellow, Roche Research Institute, Dee Why (Sydney), Australia
- 1980 Panel on utilization of solar energy for biotechnology; Vail, Colorado (Solar Energy Research Institute)
- 1980-81 Panel, space biology; Washington, D.C. (National Aeronautics and Space Administration)
- 1983 Consultant, Marine Microalgae Culture Centre, Qingdao, China (United Nations Development Programme)
- 1984 Visiting research worker; Cadarache, France (C.N.R.S. - Centre de Recherche Nucleaire)
- 1986 Consultant, Brine biotechnology project; Tanggu, China (United Nations Development Programme)
- 1986 Participant in symposium on Esperanto in science and technology; Beijing, China (Academia Sinica)
- 1988 Panelist at special workshop on marine symbioses; Bermuda (Office of Naval Research)
- 1989 Extramural review panel for biology programme of ONR; Washington, D.C. (Office of Naval Research)

Invited speaker at various international conferences on phycology or biotechnology: Aberystwyth, Wales (1986), Lille, France (1987), Hongkong (1988), Japan (1993), Korea (1993), China (1994), S. Africa (1996), Brazil (1996).

Attended, presented papers, chaired sessions, organized symposia, etc. at many other national and international conferences.

PUBLICATIONS

Over 200 scientific publications, mostly on algae, in reviewed journals. Editor and author of several books including the following:-

Lewin, R. A. (ed.) *Physiology and Biochemistry of Algae*. Academic Press, N.Y. 1962 (929 pp.)

Lewin, R. A. and Reed, I. K. (translated into Esperanto) *Winnie-la-Pu*, by A. A. Milne. Dutton & Co., N.Y., 1972 (154 pp.)

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Press, Beijing, P.R. China, 1994 (118 pp.)

Lewin, R.A. *Merde: Excursions in scientific, cultural and socio-historical coprology*.
Random House, N.Y. 1999 (187 pp.)

Recent scientific articles include:

Kline, T. and Lewin, R.A. (1999) Natural $^{15}\text{N}/^{14}\text{N}$ abundance as evidence for N_2 fixation by
Prochloron (Prochlorophyta) endosymbiotic with didemnid ascidians. *Symbiosis* 26, 193-198

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