

Professor Charles R. Goldman

*Environmental Science & Policy
University of California
Davis, California 95616*

Education

B.A. (Geology), 1952, University of Illinois
M.S. (Zoology), 1955, University of Illinois
Ph.D. (Limnology-Fisheries), 1958, University of Michigan

Experience record

49 years of research and teaching including the following:
1971- Distinguished Professor of Limnology and Chairman (1987-92), Division of Environmental Studies and Department of Environmental Science and Policy; Research Limnologist and Director of Tahoe Research Group, John Muir Institute of the Environment, University of California, Davis
1959- Over 1000 presentations to scientific societies, government agencies and NGOs
1966-69 Director, Institute of Ecology, University of California, Davis
1966-71 Professor of Zoology (Limnologist) University of California, Davis
1964-66 Assoc. Professor of Zoology, University of California, Davis
1960-63 Asst. Professor of Zoology, University of California, Davis
1958-60 Instructor, University of California, Davis
1957-58 Fishery Research Biologist, U.S. Fish and Wildlife Service, Alaska
1954-55 Asst. Aquatic Biologist, State Natural History Survey, Illinois
1952-54 1st Lt., U.S.A.F., Far Eastern Command (Retired Captain, U.S.A.F.)

Honors and Awards

Guggenheim Fellow, 1965
American Association for the Advancement of Science (Fellow), 1963-present
Goldman Glacier in Antarctica named by U.S. Board on Geographic Names, 1967
Elected President, American Society of Limnology and Oceanography, 1967-68
Antarctic Service Medal awarded by Congress, 1968
California Academy of Science (Fellow), elected 1969
Elected Vice President, Ecological Society of America, 1973-74
Plenary Lecture, SIL Congress, Kyoto, Japan, 1980
Elected SIL national representative, 1983-1998
Distinguished Fulbright Professorship, 1985
Abrahamsson Memorial Lecture, International Association of Astacology, 1989
R.A. Vollenweider Lecturer in Aquatic Sciences, Canadian NWRI, 1989
Senior Scientist for National Geographic Lake Baikal expedition, 1990
Culver Academies Man-of-Year Award and Chevron Conservation Award, 1991
Earle A. Chiles Award, 1992
Research Lecturer, University of California, Davis, 1993
Distinguished Public Service Award, University of California, Davis, 1993
Elected Vice President, Internat. Soc. Theoretical & Applied Limnology (SIL), 1992-98
Presented research activities to President Clinton & Vice President Gore aboard UCD-Tahoe Research Group research vessel, 1997
Baldi Lecture (keynote address), SIL triennial Congress, Dublin, Ireland, 1998
Laureate, 1998 Albert Einstein World Award of Science
Inaugural Distinguished Graduate Student Mentoring Award, UC Davis, 2002
Appointed President, World Water and Climate Network (WWCN), 2003
Nevada Medal, presented by the Governor of the State of Nevada, 2003
Alfred C. Redfield Lifetime Achievement Award, ASLO, 2004

Major Professor to 97 graduate students and sponsor of 32 postdoctoral scientists.

LIST OF PUBLICATIONS

1. Goldman, C.R. and J. Bardach. 1956. Fish anatomy. Bermuda Fishing Quarterly 1(1):2.
2. Lagler, K.F. and C.R. Goldman. 1959. Fishes and sport fishing in Isle Royale National Park. Publ. by the Isle Royale Natural History Assoc. in coop. with Isle Royale National Park, 46 p.
3. Goldman, C.R. 1960. Primary productivity and limiting factors in three lakes of the Alaska Peninsula. Ecol. Monogr. 30:207-230.
4. Goldman, C.R. 1960. Molybdenum as a factor limiting primary productivity in Castle Lake, California. Science 132:1016-1017.
5. Goldman, C.R. 1961. The contribution of alder trees (*Alnus tenuifolia*) to the primary productivity of Castle Lake, California. Ecology 42:282-288.
6. Goldman, C.R. 1961. A study of primary productivity, chlorophyll, seston and light under ice in Castle Lake, California. Bull. Ecol. Soc. Amer. 42:61.
7. Goldman, C.R. 1961. Primary productivity and limiting factors in Brooks Lake, Alaska. Verh. Internat. Verein. Limnol. 14:120-124.
8. Goldman, C.R. 1961. Primary productivity in cirque lakes of the Klamath Mountains. Bull. Ecol. Soc. Amer. 41:141. (Abstract)
9. Goldman, C.R. and D.T. Mason. 1962. Inorganic precipitation of carbon in productivity experiments utilizing Carbon 14. Science 136:1049-1050.
10. Goldman, C.R. 1962. Primary productivity and micro-nutrient limiting factors in some North American and New Zealand lakes. Proc., 15th Internat. Congress of Limnology. (Abstract)
11. Goldman, C.R. 1962. A method of studying nutrient limiting factors in situ in water columns isolated by polyethylene film. Limnol. Oceanogr. 7:99-101.
12. Goldman, C.R. and D.T. Mason. 1963. Photosynthetic response to changes in light and temperature in Antarctic freshwater phytoplankton. Bull. Ecol. Soc. Amer. 44:39. (Abstract)
13. Goldman, C.R., D.T. Mason and J.E. Hobbie. 1963. Light penetration and biology of two Antarctic dry valley lakes. Bull. Ecol. Soc. Amer. 44:39. (Abstract)
14. Goldman, C.R. 1963. The measurement of primary productivity and limiting factors in freshwater with Carbon-14, p. 103-113. In: M.S. Doty (ed.), Proc., Conf. on Primary Productivity Measurement, Marine and Freshwater. U.S. Atomic Energy Commission Report No. TID-7633.
15. Goldman, C.R. and R.G. Wetzel. 1963. A study of the primary productivity of Clear Lake, Lake County, California. Ecology 44:283-294.
16. Goldman, C.R., D.T. Mason and B.J.B. Wood. 1963. Light injury and inhibition in Antarctic freshwater phytoplankton. Limnol. Oceanogr. 8:313-322.
17. Goldman, C.R. 1963. Primary productivity measurements in Lake Tahoe, Appendix I, p. 154-163. In Comprehensive Study on Protection of Lake Tahoe Basin. Engineering Science, Inc. 163 p.

18. Goldman, C.R. 1963. Contributor in: W.T. Edmondson, Pacific Coast and Great Basin, p. 384-385. In D. Frey (ed.), *Limnology in North America*. Univ. Wisconsin Press.
19. Goldman, C.R. 1963. A rapid field technique for determining micronutrient limiting factors in freshwater with notes on the use of gas phase in calibration of C-14 productivity experiments. Abstracts, Symp. New Methods of Determining Biogenic and Organic Substances in Water and Organisms. Czech. Acad. Sci. (Abstract)
20. Bachmann, R.W. and C.R. Goldman. 1964. The determination of microgram quantities of molybdenum in natural waters. *Limnol. Oceanogr.* 9:143-146.
21. Goldman, C.R. 1964. Primary productivity studies in Antarctic lakes, p. 291-299. In R. Carrick, M.W. Holdgate, and J. Prevost (eds.), *Antarctic Biology*. Special Committee for Antarctic Res. Symp. Editions Hermann, Paris.
22. Goldman, C.R. 1964. Primary productivity and micro-nutrient limiting factors in some North American and New Zealand lakes. *Verh. Internat. Verein. Limnol.* 15:365-374.
23. Goldman, C.R. 1964. Integration of field and laboratory experiments in productivity studies, p. 18. In Proc., Conf. on Estuaries, Jekyll Island, GA. (Abstract)
24. Goldman, C.R. and R.C. Carter. 1964. A rapid C-14 bioassay technique for evaluating the effect of pollution on Lake Tahoe. California Water Poll. Control Federation. (Abstract)
25. Goldman, C.R. 1964. Some experimental approaches to the ecology of freshwater phytoplankton, p. 243. Proc., 10th Internat. Botanical Congress, Experimental Ecology.
26. Goldman, C.R. 1964. A discussion of Photosynthetic Oxygenation of a Polluted Estuary by C.H.J. Hull. *Advances in Water Pollution Res.* 3:386-390.
27. Goldman, C.R. 1964. Discussion: Plant systems as long term flight nourishment sources, p. 311-315. In Conf. on Nutrition in Space and Related Waste Problems. National Aeronautics and Space Admin. Report No. SP-70.
28. Goldman, C.R. and R.C. Carter. 1965. An investigation by rapid Carbon-14 bioassay of factors affecting the cultural eutrophication of Lake Tahoe, California-Nevada. *J. Water Pollution Control Federation* 37:1044-1059.
29. Bachmann, R.W. and C.R. Goldman. 1965. Hypolimnetic heating in Castle Lake, California. *Limnol. Oceanogr.* 10:233-239.
30. Goldman, C.R. 1965. Experimental ecology. Conf. report on 10th Internat. Botanical Congress. *Internat. J. Biometeorology* 9:81-83.
31. Goldman, C.R. 1965. An invited discussion of Pollution Phases of Lake Bled by Professor J. Sketelj and Dr. Marjan Rejic for the Second Internat. Conf. on Water Pollution Res. In O. Jaag (ed.), *Advances in Water Pollution Res.* 1:363-366. Pergamon Press.
32. Goldman, C.R. 1965. Micronutrient limiting factors and their detection in natural phytoplankton populations. Supplement, p. 121-135. In Proc., IBP Symp. on Primary Productivity in Aquatic Environments, Pallanza, Italy. *Memorie dell'Istituto Italiano di Idrobiologia* 18.
33. Goldman, C.R. (ed.). 1966. *Primary Productivity in Aquatic Environments*. Proc., Internat. Biological Programme Symp., Pallanza, Italy. Univ. California Press, Berkeley, 464 p.
34. Goldman, C.R. 1966. Contributor. In C.H. Oppenheimer (ed.), *Marine Biology II*. Proc.,

Second Internat. Interdisciplinary Conf., Princeton, NJ. New York Acad. Sci., NY.

35. Goldman, C.R. 1966. Mineral nutrients in lake and river waters, p. 508-510. In P.L. Altman and D.S. Dittmer (eds.), *Environmental Biology*. Federation of American Societies for Experimental Biology, Bethesda, MD.
36. Goldman, C.R. 1967. Integration of field and laboratory experiments in productivity studies, p. 346-352. In G.H. Lauff (ed.), *Estuaries*. Publ. 83, AAAS, Washington, D.C. Horn-Shafer, Baltimore, MD.
37. Goldman, C.R., D.T. Mason and J.E. Hobbie. 1967. Two Antarctic desert lakes. *Limnol. Oceanogr.* 12:295-310.
38. Goldman, C.R. 1967. The bad news from Lake Tahoe. *Cry California*. Winter 1967-68 3:12-23.
39. Goldman, C.R. 1967. Molybdenum as an essential micronutrient and useful watermass marker in Castle Lake, California, p. 229-238. In H.L. Golterman and R.S. Clymo (eds.), *Chemical Environment in the Aquatic Habitat*. N.V. Noord-Hollandsche Uitgevers Maatschappij, Amsterdam.
40. Goldman, C.R. 1967. (a) Summary and recommendations, p. 1-34. (b) Effects of pesticides in California watersheds, p. 211-217. (c) Reservoirs and lakes, p. 381-392. In *Man's Effect on California Watersheds*, a report for the Assembly Committee on Natural Resources, Planning and Public Works. State of California.
41. Goldman, C.R. 1968. Aquatic primary production. *American Zoologist* 8:31-42.
42. Goldman, C.R. 1968. The use of absolute activity for eliminating serious errors in the measurement of primary productivity with C-14. *J. du Conseil* 32:172-179.
43. Goldman, C.R. and J. Court. 1968. Limnological studies of Lake Tahoe. In *Geologic Studies, Guidebook of the Geological Society of Sacramento*, 1968:60-66.
44. Goldman, C.R., M. Gerletti, P. Javornicky, U. Melchiorri-Santolini, E. de Amezaga. 1968. Primary productivity, bacteria, phyto- and zooplankton in Lake Maggiore: Correlations and relationships with ecological factors. *Mem. dell'Istituto Italiano di Idrobiol.* 23:49-127.
45. Goldman, C.R. 1968. Vittorio Tonolli 1913-1967. *Internat. Revue des gesamten Hydrobiologie* 53:807-808.
46. Goldman, C.R. 1968. The C-14 bioassay technique for measuring algal growth in laboratory and field. Contribution to the report to the Algal Growth Potential Task Force, Federal Water Pollution Control Administration.
47. Armstrong, R. and C.R. Goldman. 1969. Determination of trace amounts of molybdenum, p. 116-124. In *American Society for Testing and Materials. Special Technical Publ. No. 448*.
48. Goldman, C.R. 1969. Book Review. *Australian Freshwater Life: The Invertebrates of Australian Inland Waters* by W.D. Williams. Sun Books. *Science* 164:540-541.
49. Goldman, C.R. 1969. Book Review. *Australian Inland Waters and Their Fauna: Eleven Studies* by A.H. Weatherly (ed.). Australian Nat. Univ. Press. *Science* 164:540-541.
50. Goldman, C.R., W.J. Oswald, and C.N. Sawyer. 1969. Report of California Dept. of Water Resources, Middle Fork Eel River and Clear Lake Water Quality Advisory Board, resulting from

meetings of August 29-30, 1968, Lakeport, CA.

51. Goldman, C.R. 1969. Report to the Federal Water Pollution Control Administration on limnological aspects of Clear Lake, California, with special reference to the proposed diversion of Eel River water through the lake. Nutrient regeneration from the Clear Lake sediments and a recommendation for altering the regime. U.S. Dept. of Interior, Federal Water Pollution Control Assoc., Southwest Region. 16 p.
52. Goldman, C.R. 1969. Estudios Limnológicos Y Programa de Desarrollo Para el Rio Parana. Food and Agricultural Organization, United Nations, Rome, Italy. 8 p.
53. Goldman, C.R. 1969. Reduced flows and the future ecology of the Bay-Delta system. A statement to the U.S. Congressional Hearings, August 21, 1969 and to the National Water Commission, Southwest Regional Conf., Oct. 1969, Los Angeles, CA. 10 p. Also in Congressional Records 384-395.
54. Goldman, C.R. 1969. Ecological problems of the Bay-Delta system associated with reduced flows. Statement to the Assemblyman Milias Committee, California State Legislature.
55. Sanford, G. A. Sands, and C.R. Goldman. 1969. A settle freeze method for concentrating phytoplankton in quantitative studies. *Limnol. Oceanogr.* 14:790-794.
56. Goldman, C.R. 1969. Contributor. In R.A. Vollenweider (ed.), *A Manual on Methods for Measuring Primary Production in Aquatic Environments*. IBP Handbook No. 12. Blackwell Scientific Publications.
57. Goldman, C.R., D.T. Mason and J.E. Hobbie. 1969. Variations in photosynthesis in two shallow Antarctic lakes. *Verh. Internat. Verein. Limnol.* 17:414-418.
58. Goldman, C.R. and R. Armstrong. 1969. Primary productivity studies in Lake Tahoe, California. *Verh. Internat. Verein. Limnol.* 17:49-71.
59. Moshiri, G.A. and C.R. Goldman. 1969. Estimation of assimilation efficiency in the crayfish *Pacifastacus leniusculus* (Dana) (Crustacea: Decapoda). *Archiv fur Hydrobiologie* 66:298-306.
60. Goldman, C.R., M.G. Tunzi, and R. Armstrong. 1969. C-14 uptake as a sensitive measure of the growth of algal cultures, p. 158-170. In Proc., Eutrophication-Biostimulation Assessment Workshop, Berkeley, CA. Limnological Investigations Session.
61. Abrahamsson, S.A. and C.R. Goldman. 1970. The distribution, density and production of the crayfish *Pacifastacus leniusculus* (Dana) in Lake Tahoe, California-Nevada. *Oikos* 21:83-91.
62. Moshiri, G.A., C.R. Goldman, G.L. Godshalk and D.R. Mull. 1970. The effects of variations in oxygen tension on certain aspects of respiratory metabolism in *Pacifastacus leniusculus* (Dana) (Crustacea: Decapoda). *Physiological Zoology* 43:23-29.
63. Goldman, C.R. 1970. Review and summary "Freshwater Ecosystems" section, p. 181-184. In *Polar Research: A Survey*. Nat. Acad. Sci. Washington, D.C.
64. Goldman, C.R. 1970. Antarctic freshwater ecosystems, vol. 2, p. 609-626. In M.W. Holdgate (ed.), *Antarctic Ecology*. Scientific Comm. on Antarctic Research. Academic Press.
65. Richerson, P.J., R. Armstrong and C.R. Goldman. 1970. Contemporaneous disequilibrium, a new hypothesis to explain the "paradox of the plankton." *Proc., Nat. Acad. Sci.* 67(4):1710-1714.

66. Goldman, C.R. 1970. Is the canary dying? The time has come for man, miner of the world's resources, to surface. *California Medicine* 113:21-26.
67. Goldman, C.R. 1970. Taconite tailings as a biostimulant for algal growth in Lake Superior. Included in Aug. 1970 Proc., Conf. on the Matter of Pollution of Lake Superior and its Tributary Bases; Minnesota, Wisconsin, Michigan. FWQA, U.S. GPO.
68. Goldman, C.R. 1970. Models for environmental salvation or disaster, p. 14-16. *Culver Alumnus*, Autumn 1970.
69. Goldman, C.R. 1970. Photosynthetic efficiency and diversity of a natural phytoplankton population in Castle Lake, California, p. 507-517. In *Prediction and Measurement of Photosynthetic Productivity*. Proc., IBP/PP Technical Meeting, Trebon, Czechoslovakia.
70. Moshiri, G.A., C.R. Goldman, D.R. Mull, G.L. Godshalk and J.A. Coil. 1971. Respiratory metabolism in *Pacifastacus leniusculus* (Dana) (Crustacea: Decapoda) as related to its ecology. *Hydrobiologia* 37(2):183-195.
71. Armstrong, R., C.R. Goldman and D.K. Fujita. 1971. A rapid method for the estimation of the carbon content of seston and periphyton. *Limnol. Oceanogr.* 16:137-139.
72. Goldman, C.R. 1971. Reduced flows and the future ecology of the San Francisco Bay-Delta System, Vol. 8, p. 174-190. In Proc., Symp. on Hydrobiology, Miami Beach, FL.
73. Horne, A.J., P. Javornicky, and C.R. Goldman. 1971. A freshwater "red tide" on Clear Lake, California. *Limnol. Oceanogr.* 16:684-689.
74. Goldman, C.R. 1971. Biological implications of reduced freshwater flows on the San Francisco Bay-Delta system, p. 107-124. In D. Seckler (ed.), *California Water*, U.C. Press, Berkeley.
75. Goldman, C.R. 1972. The role of minor nutrients in limiting the productivity of aquatic ecosystems, p. 21-23. In G. Likens (ed.), *Amer. Soc. Limnol. Oceanogr. Special Symposia No. 1, Nutrients and Eutrophication*.
76. Goldman, C.R., G. Moshiri and E. de Amezaga. 1972. Synoptic study of accelerated eutrophication in Lake Tahoe -- a subalpine lake, p. 1-21. In R.S. Murphy and D. Nyquist (eds.), *Water Pollution Control in Cold Climates*. FWQA (EPA) U.S. GPO No. 5501-0208.
77. Paerl, H. and C.R. Goldman. 1972. Heterotrophic assays in the detection of water masses at Lake Tahoe, California. *Limnol. Oceanogr.* 17:145-148.
78. Hyne, N.J., P. Chelminski, J. Court, D. Gorsline and C.R. Goldman. 1972. Quaternary history of Lake Tahoe, California-Nevada. *Geol. Soc. America Bull.* 83:1435-1448.
79. Court, J., C.R. Goldman and N. Hyne. 1972. Surface sediments in Lake Tahoe, California-Nevada. *J. Sedimentary Petrology* 42:359-377.
80. Goldman, C.R. 1972. Environmental impact and water development. *J. American Water Works Assoc.*, Sept. 1972:545-549.
81. Kiefer, D., O. Holm-Hansen, C.R. Goldman, R. Richards, and T. Berman. 1972. Phytoplankton in Lake Tahoe: Deep living populations. *Limnol. Oceanogr.* 17:418-422.
82. Horne, A. and C.R. Goldman. 1972. Nitrogen fixation in Clear Lake, California. I. Seasonal variation and the role of heterocysts. *Limnol. Oceanogr.* 17:678-692.
83. Horne, A., J.E. Dillard, D. Fujita and C.R. Goldman. 1972. Nitrogen fixation in Clear Lake,

- California. II. Synoptic studies on the autumn *Anabaena* bloom. *Limnol. Oceanogr.* 17:693-703.
84. Goldman, C.R., D.T. Mason and B.J.B. Wood. 1972. Comparative study of the limnology of two small lakes on Ross Island, Antarctica, vol. 20, p.1-50. In G.A. Llano (ed.), *Antarctic Terrestrial Biology*, Antarctic Research Series.
 85. Goldman, C.R. and R.L. Leonard. 1972. The lake microcosm: An ecosystem out of balance, p. 251-254. In *Proc. Western Agricultural Econ. Assoc.*, Squaw Valley, CA.
 86. Paerl, H.W. and C.R. Goldman. 1972. Stimulation of heterotrophic and autotrophic activities of a planktonic microbial community by siltation at Lake Tahoe, California. *Memorie dell' Istituto Italiano di Idrobiologia* 29, Suppl.:129-147.
 87. Goldman, C.R., E.A. Stull and E. de Amezaga. 1973. Vertical pattern of primary productivity in Castle Lake, California. *Verh. Internat. Verein. Limnol.* 18:1760-1767.
 88. De Amezaga, E., C.R. Goldman and E.A. Stull. 1973. Primary productivity and rate of change of biomass of various species of phytoplankton in Castle Lake, California. *Verh. Internat. Verein. Limnol.* 18:1768-1775.
 89. Stull, E.A., E. de Amezaga and C.R. Goldman. 1973. The contribution of individual species of algae to primary productivity of Castle Lake, California. *Verh. Internat. Verein. Limnol.* 18:1776-1783.
 90. Goldman, C.R., J. McEvoy and P.J. Richerson, (eds.). 1973. *Environmental Quality and Water Development*. William H. Freeman. 510 p.
 91. Goldman, C.R. 1973. Environmental impact and water development, p. 1-11. In Goldman, C.R., J. McEvoy and P. Richerson (eds.), *Environmental Quality and Water Development*, William H. Freeman.
 92. Goldman, C.R. 1973. Ecology and physiology of the California crayfish *Pacifastacus leniusculus* (Dana) in relation to its suitability for introduction into European waters, p. 106-119. In S. Abrahamsson (ed.), *Freshwater Crayfish: Papers from the First Internat. Symp. on Freshwater Crayfish*.
 93. Smith, R. J. Tyler and C.R. Goldman. 1973. Optical properties and color of Lake Tahoe and Crater Lake. *Limnol. Oceanogr.* 18:189-199.
 94. Hyne, N.J., C.R. Goldman and J.E. Court. 1973. Mounds in Lake Tahoe, California-Nevada: A model for landslide topography in the subaqueous environment. *J. Geology* 81(2):176-188.
 95. Goldman, C.R., R.C. Richards, H.W. Paerl, R.C. Wrigley, V.R. Overbeck and W.L. Quaide. 1973. Aquatic studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe. *NASA Technical Memorandum X-62*, 238. 28 p.
 96. Javornicky, P., D.K. Fujita and C.R. Goldman. 1973. The influence of eutrophic lake sediments on the growth of different planktonic algae. *Archiv fur Hydrobiologie, Supplement band 41, Algological Studies* 8:341-362.
 97. Goldman, C.R. 1973. Aquatic primary production, p. 89-95. In E.N. Ziegler and J.R. Pfafflin (eds.), *The Encyclopedia of Environmental Science and Engineering*.
 98. Goldman, C.R. 1973. Will Baikal and Tahoe be saved? *Cry California*. Winter 1973-74 9(1):19-25.

99. Horne, A.J. and C.R. Goldman. 1974. Suppression of nitrogen fixation by blue-green algae in a eutrophic lake with trace additions of copper. *Science* 83:409-411.
100. Goldman, C.R. 1974. Ecology and human health engineering, p. 17-23. In P.L. White and D. Robbins (eds.), *Environmental Quality and Food Supply*. Futura Publ. Co., New York.
101. Goldman, C.R., R.C. Richards, H.W. Paerl, R.C. Wrigley, V.R. Oberbeck and W.L. Quaide. 1974. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada. *Remote Sensing of Environment* 3:49-67.
102. Jassby, A.D. and C.R. Goldman. 1974. A quantitative measure of succession rate and its application to the phytoplankton of lakes. *The American Naturalist* 108(963):688-693.
103. Jassby, A.D. and C.R. Goldman. 1974. Loss rates from a lake phytoplankton community. *Limnol. Oceanogr.* 19:618-627.
104. Goldman, C.R. 1974. Eutrophication of Lake Tahoe emphasizing water quality. EPA-660/3-74-034. U.S. GPO, Washington, D.C. 408 p.
105. Goldman, C.R. and E. de Amezaga. 1975. Primary productivity in the littoral zone of Lake Tahoe, California-Nevada, p. 49-62. In *Symp. on Limnology of Shallow Waters*. Biological Res. Inst., Hungarian Acad. Sci. No. 15.
106. Deamer, D.W., H. Paerl, C.R. Goldman and R. Leonard. 1975. Tahoe's troubled waters. *Natural History* 84:60-67.
107. Goldman, C.R. and T. Cahill. 1975. Danger signs for Tahoe's future: the continuing decline in air and water quality. *Cry California*. Spring 1975:30-35.
108. Paerl, H.W., R.C. Richards, R.L. Leonard and C.R. Goldman. 1975. Seasonal nitrate cycling as evidence for complete vertical mixing in Lake Tahoe, California-Nevada. *Limnol. Oceanogr.* 20:1-8.
109. Wurtsbaugh, W.A., R.W. Brocksen and C.R. Goldman. 1975. Food and distribution of underyearling brook and rainbow trout in Castle Lake, California. *Trans. Amer. Fish. Soc.* 104(1):88-95.
110. Richey, J.E., M.A. Perkins and C.R. Goldman. 1975. Effects of kokanee salmon (*Oncorhynchus nerka*) decomposition on the ecology of a subalpine stream. *J. Fish. Res. Board Can.* 32:817-820.
111. Perkins, M.A., C.R. Goldman and R.L. Leonard. 1975. Residual nutrient discharge in streamwaters influenced by sewage effluent spraying. *Ecology* 56:453-460.
112. Flint, R.W. and C.R. Goldman. 1975. Natural history and ecology of the crayfish in Lake Tahoe. *American Zoologist* 15:793.
113. Goldman, C.R., N. Williams and A. Horne. 1975. Prospects for micronutrient control of algal populations, p. 97-105. In P.L. Brezonik and J.L. Fox (eds.), *Proc., Symp. on Water Quality Management through Biological Control*. Univ. Florida, Gainesville, FL. No. ENV-07-1.
114. Flint, R.W. and C.R. Goldman. 1975. The effects of a benthic grazer on the primary productivity of the littoral zone of Lake Tahoe. *Limnol. Oceanogr.* 20:935-944.
115. Goldman, C.R. and E. de Amezaga. 1975. Spatial and temporal changes in the primary productivity of Lake Tahoe, California-Nevada between 1959 and 1971. *Verh. Internat. Verein. Limnol.* 19:812-825.

116. Richards, R.C., C.R. Goldman, T.C. Frantz and R. Wickwire. 1975. Where have all the *Daphnia* gone? The decline of a major cladoceran in Lake Tahoe, California-Nevada. *Verh. Internat. Verein. Limnol.* 19:835-842.
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118. Tilzer, M.M., C.R. Goldman and E. de Amezaga. 1975. The efficiency of photosynthetic light energy utilization by lake phytoplankton. *Verh. Internat. Verein. Limnol.* 19:800-807.
119. Paerl, H.W., R.D. Thomson and C.R. Goldman. 1975. The ecological significance of detritus formation during a diatom bloom in Lake Tahoe, California-Nevada. *Verh. Internat. Verein. Limnol.* 19:826-834.
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